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1930 SEED CATALOG

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CENTRAL COAL & SEED CO.

814 IDAHO STREET . . . BOISE, IDAHO

Vegetable Seed Trials

D. N. Shoemaker

FEB 24 1930

To Friends and Patrons

In presenting our 1930 catalogue, we desire to express our appreciation for your former patronage and in these catalogued offerings we have endeavored to present to you only fresher seed at right prices from reliable growers and other lines of merchandise backed by growers and firms of established reputation.

ALL PRICES HEREIN QUOTED ARE SUBJECT TO MARKET CHANGES AND CROP CONDITIONS. WE FILL ALL ORDERS AT LOWEST MARKET PRICES.

WHEN AND HOW TO ORDER

Send in your combined orders for seeds, plants, supplies, etc., at once. We are prepared to fill orders as soon as this catalog reaches you. If you want part or all of your order held, state it distinctly with date when shipment is to be made. All orders for potatoes, plants, and other perishable goods are carefully booked on receipt, and filled in rotation as soon as weather permits. If shipped early, they are at buyer's risk.

Use Our Order Blanks—Fill out the spaces, giving postoffice and shipping point. It is best not to write letters on the same sheet as your order. *Do not forget to sign your name.*

Larger Orders—Any dealer, market gardener, institution or individual wishing seed in larger quantities, is requested to mail us a list of what is wanted, and we will promptly return it with the very lowest market prices. A letter of inquiry may save you dollars if you want to buy in quantity.

Prepay Stations—When you send in orders to go by freight or express, be sure that you add money enough to pay the charges if your station is a prepay point which is always the case where there is no regular agent.

Complaints or Praises—If you are well pleased with our goods and the manner of doing business, tell everyone. If you are not, tell us, so we can please you. Our best efforts will be put forth in filling all orders carefully and promptly in a way that will please you.

USE MONEY ORDERS, POSTOFFICE OR EXPRESS, BANK DRAFTS OR REGISTERED LETTERS

Stamps will be accepted on small orders.

BE SURE TO ORDER EARLY—BEFORE STOCKS ARE DEPLETED

NOTE—We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.—We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, nursery stock, roots or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once.

If you are in doubt about what you should do, or want any special information, be sure to write us. We will be pleased to give your inquiry our careful attention, and advise you to the full extent of our knowledge.

For 1930 we offer the standard varieties that are most satisfactory and profitable to the growers in our territory. We do not specialize in novelties but encourage the selection and improvement of varieties of known value.

Central Coal & Seed Co.

814 IDAHO STREET

Phone No. 1

BOISE, IDAHO

"STERLING" LAWN GRASS SEED

Lawn Grass Seed Postpaid

A Smooth, velvety lawn surrounding a house adds not only to the value, but enhances the enjoyment of every home, whether it be in city, town or country. When properly made, a lawn is as satisfactory as any investment a home owner can make.

A lawn may be made in two ways, by sodding or by sowing seed. Sodding is not only very expensive, but unsatisfactory as well. Sodds are ordinarily taken from a pasture or along the roadside and almost invariably contain weed seeds and coarse, turfy grasses which appear after the lawn is made. Seeding is not only more economical but is attended with better results.

The most important thing to consider in selecting seed for lawn grass is to obtain a proper mixture of several varieties, for two reasons. First, each variety is at its best during a certain part of the season. By properly choosing early, medium and late grasses, a smooth, even, green lawn is assured from early Spring to late Autumn. Second, a given area can support only so many grass plants of one kind for they all absorb the same sort of food, but if several varieties are sown, the same area will support many more plants, as different sorts live on various elements in the soil. This will give a much thicker and more luxuriant turf all over the lawn.

With these facts in mind our Sterling Lawn Grass Seed is scientifically combined. Our experience of many years has given us an intimate knowledge of grasses, their habits and requirements. In our Sterling Lawn Seed are included the best varieties—pure, clean and free from full seed.

Our Sterling Lawn Seed is very quick in growth and is ready for mowing in from six to eight weeks from the time the seed is sown.

From early Spring until late in the Fall, lawns sown with our Sterling Lawn Seed remain green and fresh, for the reason that this mixture includes quick growing varieties which are at their best soon after the frost is out of the ground, others that mature and flourish in Midsummer, and still others that are greenest and sturdiest in Autumn. For each of these seasons there are several different varieties living on different elements in the soil, so that one is certain always to have a satisfactory carpet of green wherever our Sterling Lawn Seed is sown, under favorable conditions.

1 lb. 50c; 5 lbs. \$2.40.

SHADY PLACE MIXTURE

On almost every lawn there are shady places where difficulty is experienced in getting grass to grow. These bare spots are very unsightly and disfigure the lawn. In such places proper seeding may be all that is required. In this mixture we have combined fine, dwarf growing, evergreen varieties which do well in sheltered or shaded spots. Some varieties of grass require more sun than others, therefore if the kinds which need the least sun are selected, those sorts when sown in shady places will thrive and make a good appearance. Frequently a shady lawn, which is at the same time insufficiently drained, becomes affected with moss and coarse bog grasses. In such an application of slacked lime at the rate of forty to fifty pounds to each thousand square feet is an excellent remedy: but the moss should be removed with a sharp rake. When this is done, sow our Shady Place Lawn Mixture, which will bring greenness to the bare spots and restore the beauty of your lawn. Of course, very densely shaded places are quite hopeless and no variety of grass can be made to flourish under such conditions. 1 lb. 50c; 5 lbs. \$2.40.

PUTTING GREEN GRASS SEED

A superior mixture of deep rooting grasses, of fine fibrous character, forming a strong, durable turf. Excellent for croquet or bowling greens, tennis lawns, putting greens or other places where a durable, fine sward is desired. 1 lb. 50c; 5 lbs. \$2.40.

WHITE OR DUTCH CLOVER

A low, close growing Clover, round white heads, very fragrant. Very desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. 1 lb. 45c, postpaid.

KENTUCKY BLUE GRASS

The mainstay for lawn making; our stock is extra fancy cleaned heavy seed. The purest and cleanest obtainable. 1 lb. 45c, postpaid.

RED TOP GRASS

Fancy re-cleaned solid seed; in popularity for lawn use it is a close second to Kentucky Blue Grass. 1 lb. 30c; 5 lbs. \$1.40.

GLENWOOD PARK MIXTURE

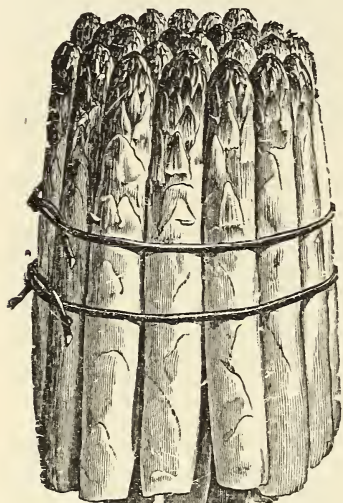
This is one of the standard mixtures and supplies the demand for lower price seed of generally satisfactory quality. It is composed of lower priced grasses than those in our Sterling Mixture, but makes a very good looking and permanent lawn. The seed is clean and of good germination. Produces a quick growth of rich green color and the variety of grasses used provides for good appearance of the lawn throughout the summer. 1 lb. 40c; 5 lbs. \$1.90.

CREEPING BENT GRASS—(Agrostis Stolonifera)

Distinctive on account of its compact, creeping, rooting stems. Of rapid growth and spreading habit, forming a strong, durable turf. Good for lawns and putting greens because of its fine texture. *1 lb. \$1.25, postpaid.

ASPARAGUS

To raise plants from seed about one pound per acre is required, or one ounce for about 800 plants. Sow early in the spring in drills 12 to 14 inches apart and thin to about 3 inches in the row. Allow plants to grow two full seasons and then transplant to permanent beds. It requires about 3000 plants to set an acre. When set out for crop, in the field or in beds, they require plenty of room, since the plants spread from the root, and therefore grow larger each year. In the field the rows should be from 6 to 10 feet apart and in the home garden 4 feet. During the spring all the shoots must be cut as fast as they reach the surface. Later in the season all the shoots should be allowed to run to seed, and in the autumn all the tops should be cut off and burned and the land thoroughly cleaned up, and a good dressing of manure and wood ashes and sand should be spaded into the beds.



CONOVER'S COLOSSAL OR BOULDIN ISLAND

A standard variety for all purposes, especially for canning. Good also for home growing. It is the popular variety formerly used on Bouldin Island and other river points in California, where it is canned in immense quantities. It makes large, thick white shoots of delicious flavor and we recommend it as the best variety for all purposes. Pkt. 10c; oz. 15c; 1 lb. \$1.00, postpaid.

PALMETTO

Mammoth in size, light green, regular in growth and appearance. Usually ready for market before other varieties. Pkt. 10c; oz. 15c; 1 lb. \$1.00, postpaid.

WASHINGTON RUST RESISTANT

A new variety, the result of plant breeding selection by the U. S. Department of Agriculture. Rust resistant and vigorous. Pkt. 10c; oz. 20c; 1 lb. \$2.25.

ASPARAGUS ROOTS

Weight estimated at 5 lbs. per 100. Large, vigorous roots. 35c doz., postpaid; \$2.00 per 100; special price per 1000.

CULTURE—The soil best adapted for growing beans is a light, rich, well-drained loam, which was well manured for the previous crop. Plant in drills about two inches deep and from 18 inches to 2 feet apart, as soon as the ground is dry enough and warm—about May 1st, or later, and for succession up to July 15th. Plant about 1 lb. of Dwarf or Bush Beans to 100 feet of drill, 1 bushel per acre. Pole Beans—1 lb. to 100 hills, requiring about half bushel per acre.

CURRIE'S RUST PROOF BLACK WAX

A very early, beautiful wax Bean, bearing an abundance of crisp, tender, stringless pods, free from rust. It is of excellent quality, delicious flavor. Seed kidney shaped. Postpaid, pkt. 15c; ½ lb. 20c; 1 lb. 30c.

IMPROVED BLACK WAX

The standard early market variety, a sure cropper of good quality.

Postpaid, pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

IMPROVED GOLDEN WAX

Very hardy and productive. A good second early variety of fine quality, but should be picked young to avoid strings.

Postpaid, pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

EXTRA EARLY RED VALENTINE

(Round Pod.) Pods are usually ready to pick in about forty-three days from germination. Vine erect; pods, medium length, curved, cylindrical, with crease in back, very fleshy, crisp and tender; seed long, of medium sizes.

Postpaid, pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

BEANS



GIANT STRINGLESS GREEN POD

An excellent variety to follow Stringless Green Pod. The plants are of strong growth; pods meaty, brittle and stringless. Plant every two weeks until August 15th for succession.

Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

BURPEE'S STRINGLESS GREEN POD**Extra Early**

The finely shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than any other green-podded bean. A splendid dried brown bean.

Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

REFUGEE**Late or 1000 to 1**

Vine large, spreading, exceedingly hardy, very late, and for this reason used for late planting and for pickles. The pods are long, cylindrical, green and of good quality. Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c.

RED MEXICAN

Grows like the Mexican Pink bean, but is a much heavier yielder under extreme heat, and for that reason is gradually replacing the pink variety.

Postpaid, Pkt. 10c; ½ lb. 15c; 1 lb. 20c; 10 lbs. \$1.50.

RED KIDNEY

A very fine variety for baking. The favorite bean for chili con carne.

Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

POLE OR RUNNING VARIETIES**KING OF THE GARDEN LIMA**

The vines are very vigorous and prolific. Pods are of large size, filled with four or five large beans of very fine quality. The beans are easily shelled and of handsome appearance. A favorite with market gardeners. ½ lb. 25c; 1 lb. 35c; 5 lbs. \$1.50.

GOLDEN POD KENTUCKY WAX

This vigorous wax podded Pole Bean is very similar to the green podded Kentucky Wonder, but the pods are a little broader. They are fleshy and stringless as snaps and are of excellent quality. The pods are very long, handsome light yellow. Its earliness and hardiness commend it for northern latitudes. Postpaid, ½ lb. 15c; 1 lb. 30c.

LAZY WIFE

Pods are from four to five inches in length, produced in large clusters in great abundance. Dark green, thick, fleshy and stringless. Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

KOHL RABI

CULTURE—Sow seed in the Spring in drill ¾ of an inch deep and two feet apart and when the plants are a few inches high thin to 5 inches. Cultivate same as beets. Bulbs grow above ground. Root should be stripped and cook like turnips. Kohl Rabi has a much sweeter and finer flavor than the turnip. Sow in June for Fall use. Two pounds of seed required per acre. Postpaid, pkt. 10c; oz. 20c.

WHITE IDAHO**A Dwarf Bush Growing Only One Foot High**

One of the finest dry beans grown. It leads all others, being three times the size of the Navy and half the size of the Lima. Is far superior to either for flavor.

Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

BURPEE'S IMPROVED LIMA

This variety differs from the best strains of Burpee's in having much larger pods, while producing more beans. Pods and beans are not only larger in size, but thicker. Grows vigorous; pods frequently borne in clusters of five to eight. ½ lb. 20c; 1 lb. 35c; 5 lbs. \$1.65, postpaid.

HENDERSON'S OR SIEVA LIMA

Grows erect to a height of 18 to 20 inches and requires no support. Very early and productive. The beans have the true Lima flavor, rich, buttery and tender. These are two weeks earlier than most Dwarf beans. ½ lb. 20c; 1 lb. 35c; 5 lbs. \$1.65, postpaid.

DWARF HORTICULTURAL**or Bush Cranberry**

Very productive and compact in growth. Pods medium length, broad, thick, curved and splashed with red. Very desirable as a green shelled bean, maturing early. Seed large, oval, plump, splashed with bright red. Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

SCARLET RUNNER

A favorite as a shell bean and for its flowers, which are bright scarlet seeds. broad and kidney shaped. Cooks in half time of any other. ½ lb. 20c; 1 lb. 35c.

STRIPED CREASEBACK

A hardy and very productive green pod Pole Bean. Vines dark green and good climbers. Pods are long, about 6 inches, completely rounded, very fleshy and of excellent quality. Seed medium sized, a mottled putty color with dark striping.

1 lb. 30c, postpaid.

KENTUCKY WONDER

(Old Homestead.) This climbing variety is very vigorous and productive and bears its pods in large clusters. The pods are green, very long, stringless and very crisp when young, and so fleshy that they are greater in width than breadth. This is one of the very best early pole snap beans for the home garden or market. Postpaid, Pkt. 15c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.

BEETS

CULTURE—Sow seed one inch deep in rows 15 to 24 inches apart in fertile, well pulverized soil, using 5 or 6 lbs. of seed per acre. An ounce of it will grow 50 feet of drill. When a few inches high, thin to six or eight inches apart in the row.

EARLY BLOOD TURNIP

A standard medium variety of excellent quality; also good for summer and fall use. The flesh is deep red, zoned with lighter shade; sweet, crisp and tender, nearly round. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 50c; 1 lb. 90c.

EXTRA EARLY EGYPTIAN

The best variety for forcing, and for market gardeners, being very early with small tops. Roots very dark, red, rounded on top but flash beneath, with very small tap roots. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 50c; 1 lb. 95c.

EARLY WONDER BEET

An extra variety of recent introduction. Globe shaped and very uniform in size, skin smooth, and flesh is deep blood red and extremely tender. It is admirably suited to the home garden and also on account of its earliness and super-fine quality, suitable to the market gardener.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 50c; 1 lb. 95c.

HALF LONG BLOOD

This is rapidly becoming a very popular sort and will probably produce more bushels from a given area than any other sort, as it does not occupy so much space in row as the turnip-shaped varieties. Pkt. 5c; oz. 15c.

ECLIPSE

Makes rapid growth, top small, quality fine, larger than Egyptian, but not as deep a red in color. This is an especially desirable sort for the home garden and bunching. The roots are smooth and round with a small tap root and collar. The flesh is very sweet, crisp and tender, especially when young. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 90c.

DETROIT DARK RED TURNIP

A fine beet for bunching for market; tops exceptionally small and uniformly upright. The roots are perfect turnip shape with small tap roots. One of the deepest red beets. Quality is of the finest; sweet and tender, best for home gardens. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 55c; 1 lb. \$1.00.

SWISS CHARD, or Spinach Beet

This variety does not produce an edible root like the regular garden Beet, but is highly esteemed for the broad, white leaf stalks and midribs which are cooked and served in the same manner as asparagus, making a most delicious vegetable. The leaves are also cooked like spinach and considered equally palatable. Two distinct dishes may thus be grown from one plant at the same time. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c.

DANISH SLUDSTRUP

Long, reddish-yellow, grows well above the ground, and is easy to pull. Has repeatedly been awarded a first-class certificate by the Danish government.

Postpaid, oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c; 10 lbs. \$5.50.

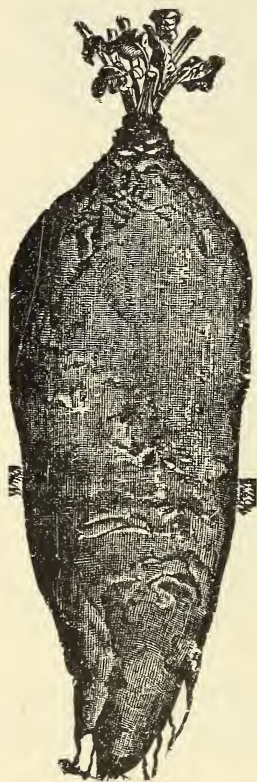
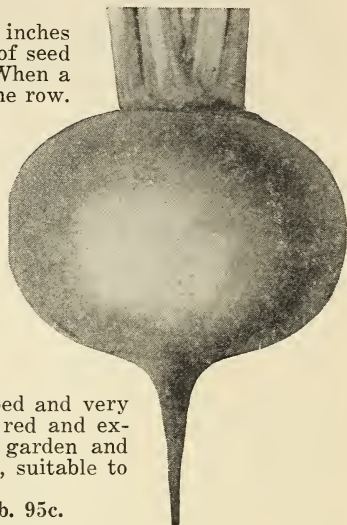
GOLDEN TANKARD

Sheep thrive on it. "Golden Tankard" is of a rich, deep yellow throughout. Early, hardy and a heavy cropper.

Postpaid, oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c; 10 lbs. \$5.50.

GIANT FEEDING OR HALF SUGAR

A new variety, more valuable for feeding purposes than the old sorts; yields as much per acre as the best Mangels, and twice as much per acre as the rich sugar beets. Roots large, smooth with few rootlets; creamy white in color, medium sized tops. Postpaid, oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c; 10 lbs. \$5.50.



MAMMOTH LONG RED

An improvement on the Long Red, with ordinary cultivation. If you want a large crop of large Mangels of good quality, don't fail to try this sort. Very uniform, smooth and of good shape. Should be grown in deep loose soil. Postpaid, oz. 10c; $\frac{1}{4}$ lb. 20c; 1 lb. 60c; 10 lbs. \$5.50.

SUGAR BEETS, for Sugar Making

Undoubtedly the most highly developed variety for sugar making. Roots of medium size, white skins with tinge of gray, half long and very uniform in size and shape. Flesh white and very rich in sugar.

Postpaid, oz. 10c; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 40c; 1 lb. 75c; 10 lbs. \$7.00.

BRUSSELL SPROUTS (Dwarf Improved)

The heads or sprouts are formed on the stalk of the plant, are one to two inches in diameter and resemble miniature cabbage. Postpaid, Pkt. 10c; oz. 20c.

CAULIFLOWER

CULTURE—For early use, seed should be sown three-fourths of an inch deep in a green-house, hot bed, or in boxes in the house, about 6 weeks before the plants are needed for planting out. As soon as the soil can be worked in the Spring the plants should be removed to the open field and set in rows 2 feet apart each way.

For late use sow seeds in beds about May 10th and when the plants are large enough to remove to the garden, setting them from 2 to 2 $\frac{1}{2}$ feet each way.

As soon as the heads begin to form, tie the leaves together over the head to keep out the light; by this process nice white heads are obtained.

EARLY SNOWBALL

The seed that produces those handsome, large, white solid heads that bring big profits to the gardener is the best strain of "Early Snowball" obtainable. We especially recommend Early Snowball for either early or late planting.

Postpaid, Pkt. 25c; oz. \$2.00.

**CABBAGE**

CULTURE FOR EARLY CABBAGE—Seed of the early varieties should be sown three-fourths of an inch in a greenhouse, hot-bed, or in boxes in the house, about 6 weeks before the plants are needed for planting out.

As soon as the soil can be worked in the Spring the plants should be removed to the open field and set out in rows 2 feet apart each way. One-half pound seed will produce plants for one acre.

CULTURE FOR LATE CABBAGE—The seed may be sown in rows 1 foot apart or broadcast in the garden about the middle of May, and the plants set in the field the latter part of June, or it may



be planted in hills 30 inches apart, 4 or 5 seeds to the hill, in the field where the cabbages are to grow, thinning to one plant in a hill when the plants are 3 to 4 inches high. Where the seed is grown in the field, whether it be in rows or in hills, it should be covered with three-fourths of an inch of soil and this soil limed well to insure rapid germination. One-half pound of seed sown in a bed will produce plants for one acre.

SUREHEAD

Heads are large, round, flattened, uniform, very hard, firm and sweet, and average from 10 to 15 pounds each. Certain to head, a good shipper and a fine keeper.

Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.

EARLY JERSEY WAKEFIELD

The favorite early cabbage with our market gardeners. A sure header. The thick, stout leaves and compact habit make it the best for wintering over and very early setting.

Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.

ALLHEAD EARLY

Earlier than any other large Cabbage—larger than any other early Cabbage. Heads deep, flat, solid, uniform and very tender owing to their rapid growth. An all-the-year-round Cabbage.

Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

LATE FLAT DUTCH PREMIUM

A low growing variety; heads large, bluish-green, round, solid, broad and flat on top; an excellent fall and winter variety, and a good keeper. It is a sure header, and we consider it superior to any other strain of Flat Dutch Cabbage on the market. Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.

COPENHAGEN MARKET

A Splendid Cabbage for Home Gardens

A new extra early globe-shaped cabbage, slightly flattened. The large, solid heads are very uniform, with few outer leaves, keeps well and stands handling and we recommend it to our customers as the best early round head. Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.

EARLY DWARF FLAT DUTCH

Grows low on the stem; a sure header; firm, fine grained, tender and excellent.

Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00.

RED CABBAGE

Odense Market

Used for pickling. The heads are very fine and remarkably sure heading. Pkt. 5c.

KALE OR BORECOLE

CULTURE—More hardy than cabbage and makes excellent greens. Improved by a touch of frost. Sow in May and June, cultivate same as cabbage.

DWARF CURLED KALE

This is more hardy than cabbage and makes excellent greens for Winter and Spring use. The leaves are curly, bright green, very tender and delicate in flavor. Sow seed in May or June, transplant in July and cultivate same as cabbage. For early Spring use sow in September; protect over Winter with a covering of straw or litter. Pkt. 10c; oz. 15c.

DANISH BALL HEAD OR HOLLANDER

This is one of the hardest cabbages in cultivation and endures both frost and drouth that would destroy other varieties. Plants rather long-stemmed, but compact; leaves very smooth, but thick; head of medium size, round and very solid, the hardest headed cabbage we know of, and of the very best quality. Matures quite late, keeps well, and is considered by many the best cabbage to hold over for Spring markets.

Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.10; 1 lb. \$3.75.

EARLY WINNINGSTADT

A desirable variety, having conical, solid heads; a sure header under almost any condition, and keeps better than most early varieties. Fine appearance and of excellent quality. Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.25.

DANISH ROUNDHEAD

Very Vigorous, Splendid Quality

An earlier, shorter stemmed, improved strain of the Danish Ballhead Cabbage. The heads are hard, very solid and mature about two weeks before the Ballhead, averaging a little larger and heavier. The inner leaves are blanched almost pure white, are of sweet flavor, crisp and tender. It is less liable to blight and shows vigorous growth even in the hot summer.

Postpaid, Pkt. 5c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.

CELERY OR CHINESE CABBAGE

Wong Bow

Improved Chinese Cabbage. It is easily grown and does well in nearly all parts of the country. It should be grown like a late Cabbage, planting in July, as early plantings run quickly to seed. The seed is sown in drills 16 to 20 inches apart and the seedlings trimmed two or three times. The full grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or cooked. Boiled and seasoned with butter, it is especially delectable. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

LEEK

The Leek belongs to the onion family. Prized for soups. Cultivate same as onions; should be hilled up about the neck to branch it. Postpaid, Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

MUSHROOM SPAWN

With intelligent care and good spawn, Mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter. Postpaid, Brick, 60c.

CARROTS

CULTURE—A sandy loam is the best for the carrot, but any good land, if thoroughly and deeply worked, will produce satisfactory crops. Sow as early in the Spring as the ground is fit to work, though good crops may be grown from sowing as late as June 15. For table use, sow the smaller kinds in rows 16 to 18 inches apart, and for field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart. Cover one-half to one inch deep and see to it that the soil is well firmed above the seed.

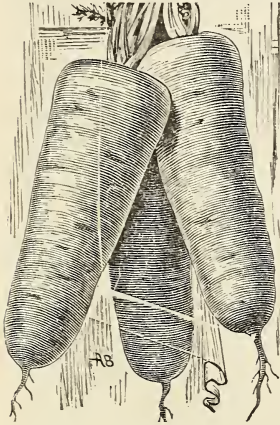
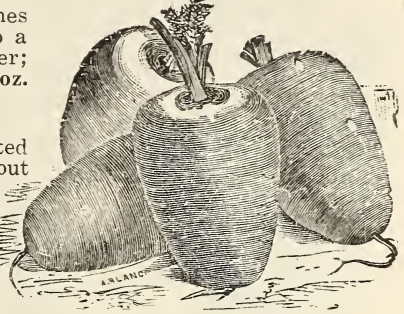
CHANTENAY OR MODEL

An excellent stump-rooted variety about six inches long, very broad at the shoulder and tapering to a blunt point, free from core, fine grained and tender; orange-red; medium early. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

EARLIEST SHORT HORN OR FRENCH

The earliest variety in cultivation, and best suited for forcing. Roots, reddish brown, globular and about two inches in diameter; should be used before full grown.

Postpaid, Pkt. 5c;
oz. 15c; $\frac{1}{4}$ lb. 35c;
1 lb. \$1.00.



IMPROVED DANVERS HALF LONG

Our strain of this popular carrot has a root which comes to a blunt point, a very beautiful carrot. A first-class carrot for all soils. The root is of a rich, dark orange color; it is very smooth and heavy yielding, twenty to thirty tons per acre not being an unusual crop. Prices for large or small lots. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

IMPROVED LONG ORANGE

Popular for farm use on deep, mellow soil. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

OXHEART

A thick carrot, five or six inches long and very blunt at the lowest extremity. It grows very rapidly and the root attains a weight of more than a pound. It is tender and of good flavor. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

VICTORIA CARROT—For Stock

The Victoria is a very large and a very rich stock carrot. We can say that there is no yellow carrot that can approach the Victoria in size, yield and in feeding qualities. It grows nearly as much weight again per acre as the ordinary varieties, and, as the roots grow more above the ground, it is much easier to gather the crop. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

MASTADON CARROT

The heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is white, crisp and solid and very sweet in flavor. It is a vast improvement on the white and green Belgian sorts which have been favorites in the past, as it is not only much more productive, but vastly easier to handle. The roots are short and very heavy at the shoulder, rendering them easily harvested. An important feature also is that they do not easily break in pulling or sorting. Too much can scarcely be said of their size and great productiveness. The roots frequently measure 15 to 20 inches in circumference, and 18 to 40 tons to the acre is not an extravagant statement as to yield.

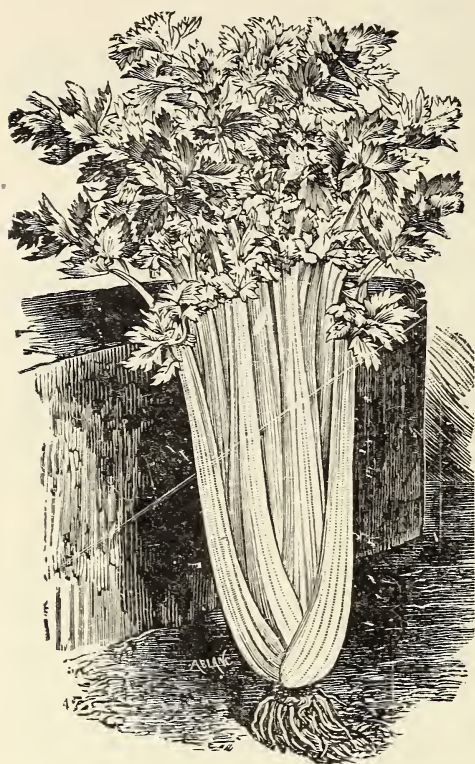
Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 90c. Write for quantity prices.

CHICKORY

Large Rooted. Used as a substitute for coffee; and the young blanched shoots for salad. Pkt. 5c.

CELERY

CULTURE—Sow the seeds early, about February, in a hot-bed or cold frame. When three inches high transplant, setting them about four inches apart. When grown six inches, and fine stock plants, set in richly manured deep soil, in rows three and a half feet apart and about nine inches from plant to plant. Blanch by placing board



TRUE WATER

One of the most delicious of small salads, and should be planted where a suitable space can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams.

Postpaid, Pkt. 10c; oz. 40c.

CHIVES

Usually grown as an edging and has a mild flavor of young onions. The leaves are used in soups and salads for seasoning. Pkt. 10c; oz. 65c.

CORN SALAD, Fetticus or Lam's Lettuce

A refreshing salad, used extensively in Winter and Spring as a substitute for lettuce. It is often cooked like spinach. Sown in drills one foot apart, in the Spring or Fall. On the approach of cold weather cover over with straw or coarse litter. Pkt. 5c; oz. 15c.

MUSTARD

Mustard is used alone as "greens," or with cress as salad. Sow any time in the Spring, in rows, and thin out as necessary.

WHITE ENGLISH

Leaves are dark green, small, smooth and deeply cut; mild and tender when young. The seeds are large and light yellow.

Postpaid, Pkt. 5c; oz. 15c; 1 lb. 60c.

SOUTHERN CURLED

Hardy and vigorous, with large light green leaves, crimped and frilled at the edges. Excellent while young for salads and garnishing.

Postpaid, Pkt. 5c; oz. 15c; 1 lb. 60c.

ENDIVE

This is a hardy vegetable, cultivated principally for Winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

GREEN CURLED—Standard sort for Fall and Winter. Pkt. 10c; oz. 15c.

along the rows, or earth up a little, continue doing so at intervals until only the tops of the leaves are visible late in Autumn. Never hoe up the earth when the plants are wet. One ounce of seed produces about six thousand plants.

GIANT PASCAL

Excellent for Fall or Winter use. A large, tall grower of the finest nut flavor. Very broad stalks, blanching very quickly with little banking up; an admirable keeper. Pkt. 10c; oz. 30c; 4 oz. \$1.00.

WHITE PLUME

The Leading Celery

A handsome, crispy sort, of very easy cultivation. It is the earliest celery known.

Postpaid, Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.50.

GOLDEN SELF-BLANCHING—Imported The Finest Strain of French Grown Seed

A good standard early variety; blanching easily. The heart is rich golden yellow; the outer leaves yellow. Postpaid, Pkt. 15c; oz. 90c; ¼ lb. \$3.25; 1 lb. \$12.00.

CELERIAC

(Turnip Rooted Celery)

CULTURE—Treat seeds and plants the same as recommended for celery with the exception that it is customary to set the Celeriac plants in rows 1 foot apart. The roots are preserved for use in Winter by storing in moist sand in the cellar. Pkt. 5c.

CRESS

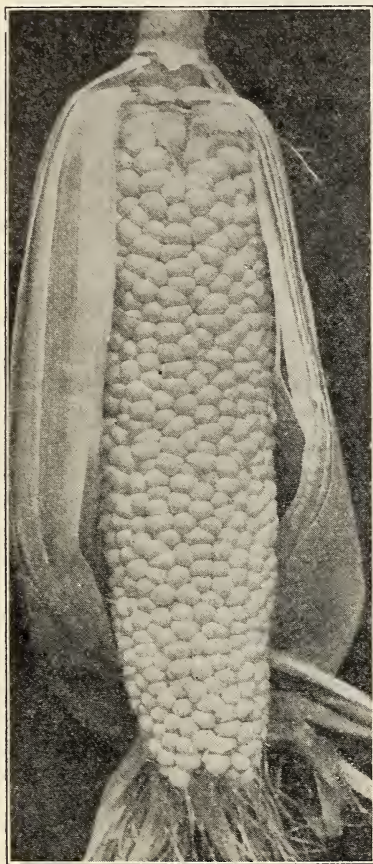
CURLED OR PEPPER GRASS

This salad is much used with lettuce, to which its warm, pungent taste makes an agreeable addition. The seed should be sown in drills about 16 inches apart on very rich ground, and the plants well cultivated. It may be planted very early.

Postpaid, Pkt. 5c; oz. 15c.

SWEET SUGAR CORN

HOW TO GROW CORN—Sweet Corn should be planted as soon as the soil is thoroughly warmed in Spring, and successive plantings should be made at intervals of two weeks; or early, medium and late varieties planted; for succession. It is very sensitive to frost, and early plantings may be killed, but it is neither much trouble nor expense to replant. If the early plantings are not killed the result will be worth taking a chance for. Light applications of nitrate of soda or nitrate of lime early in the growing season will help to give it a good start.



The seed may be planted in drills three feet apart and the plants thinned to a single stalk every foot in the rows, or five or six kernels may be planted in hills three feet apart each way and thinned to three plants in each hill.

GOLDEN EVERGREEN

The product of a cross between Golden Bantam and Stowell's Evergreen, with the quality of the Bantam and the tender skin of the Evergreen. Considered by many the sweetest of all. $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c.

PEEP O'DAY

It is not only one of the earliest sweet corns, but is very sweet and immensely productive; dwarf, about four feet in height, admits of close planting. Postpaid, $\frac{1}{4}$ lb. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00.

GOLDEN BANTAM

This corn is the tenderest, sweetest and best evergreen corn in existence. On account of its firm texture it can be planted earlier than any other variety of sweet corn, and is less apt to be bothered by worms. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c; 10 lbs. \$1.85.

WHITE COB CORY

For a strictly early, for the first market and home use, you can't be far wrong with White Cob Cory. We offer northern grown, extra early matured seed. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00.

EARLY EVERGREEN

This corn has all the good qualities of its parent, "Stowell's Evergreen," but matures earlier. The stalks grow from six to eight feet high. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00.

STOWELL'S EVERGREEN

Remarkable for remaining a long time in a fresh condition suitable for the table. Hardy and productive and the best late variety for general use. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00.

EARLY MINNESOTA

This is among the earliest of the sugar varieties and is much esteemed not only because it matures early, but for the excellent qualities as well. Ears rather small, long pointed. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00.

COUNTRY GENTLEMAN

These ears are not only good size, but are produced in great abundance, frequently bearing four good ears, while the average is three to a stalk. The cob is very small, giving great depth to the kernels, which are of pearly white quality. It is without doubt the sweetest and most tender of all sweet corns. Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00.

CUCUMBERS

CULTURE—Plant the seed $\frac{3}{4}$ of an inch deep in hills four to six feet apart each way, according to the variety, about corn planting time, allowing 10 seeds to the hill. As soon as the plants commence to run, remove all but three or four of the most promising ones in each hill. The seed may also be started in old berry boxes by placing them in the hot-bed. When the weather is suitable—settled and warm—remove the box as the plants are placed in the garden. One ounce required to 60 hills; two or three pounds per acre.



WEST INDIA GHERKIN

Oval shaped; for pickling only.

Postpaid, Pkt. 10c; oz. 20c.

BOSTON PICKLING

Very productive, grown largely for pickles. Fruit medium sized, very smooth, bright green.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

DAVIS PERFECT

A carefully selected strain of extra long white spine, suitable for both greenhouse and outdoor culture. The fruits are of large size, splendid quality and fine color.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

EARLY GREEN CLUSTER

Fruit small, grows in clusters of two or three; very prolific, short, dark green.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

IMPROVED ARLINGTON WHITE SPINE

The fruit is uniform in size and shape, averaging seven to eight inches long. Color, dark green, quality excellent and contains but few seeds.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

JAPANESE CLIMBING

A vigorous grower, can be trained on a trellis. Fruit from 12 to 16 inches long, dark green and smooth. Flesh pure, white, crisp and tender.

Postpaid, Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c.

LONG GREEN

Produces dark green fruit from 10 to 14 inches long. Flesh solid, crisp and of fine quality. Fine for slicing and pickling.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.25.

EGG PLANT

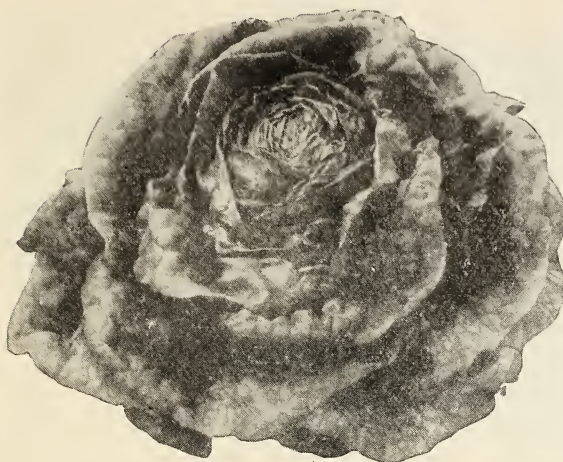
Should be started in a hot-bed and transplanted when the weather is settled and the ground thoroughly warm. They will thrive with the same treatment as that given the tomato.



NEW YORK IMPROVED SPINELESS

The leading market variety. Large, round, dark, excellent and the most productive. Pkt. 10c; oz. 50c.

LETTUCE



NEW YORK OR WONDERFUL The Best Head Lettuce for Market Growers

This is the mammoth head lettuce so popular in California, from whence it is shipped to the northern markets, arriving in splendid condition. The immense heads are solid, heavy, beautifully blanchd to a creamy white with light green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. "New York" is a hardy, rapid grower, deep rooted and resistant to drouth; a slow seeder and sure to head. Postpaid, Pkt. 10c; oz. 30c; ¼ lb. 85c; 1 lb. \$2.50; 5 lbs. \$10.00.

EARLY CURLED SIMPSON

A standard variety for forcing or for very early outdoor culture. The leaves, in loose clusters, are light green in color, slightly frilled and much blistered, are crisp, tender. Especially adapted for sowing thickly and cutting while the plants are young. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.



CULTURE—Sow in the house or in frames any time after March 10th; if put outdoors, as early in the Spring as the ground can be worked and at intervals of two weeks until June 1st. Soil should be a rich sandy loam with plenty of humus. Rows to be 1½ feet apart, plants two inches apart in row after thinning. Two ounces of seed will sow 150 feet of row, 4 to 5 lbs. required per acre.

CALIFORNIA CREAM BUTTER

Forms round, crisp, solid heads, of buttery flavor, medium early. One of the best summer varieties of head Lettuce. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

BROWN DUTCH OR PRIZEHEAD

Forms a large, solid head, sweet, tender and of good flavor. Outer leaves are tinged with brown. It is very hardy. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.

CHICKEN LETTUCE

A large rank-growing lettuce developed especially for poultry feed. It can be sown in the garden and cut for poultry use or planted in the poultry yard allowing the poultry to harvest it when ready. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

GRAND RAPIDS

For Early Forcing

A very popular loose leaved variety for greenhouse forcing. It grows quickly, is hardy, not liable to rot, remains in condition for cutting for several days, and stands shipping better than most sorts.

Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

HANSON

Improved Hard Heading Stock

One of the very best. Heads green outside and white inside; grows to a remarkable size, very solid, and deliciously sweet, crisp and tender. It withstands the hot sun well. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

OKRA OR GUMBO

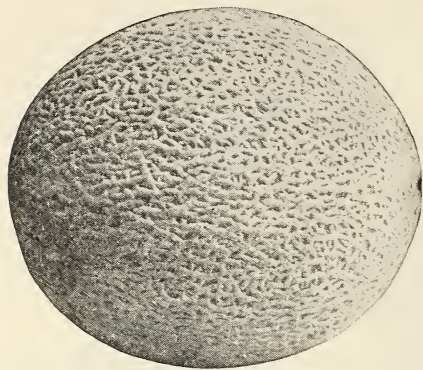
CULTURE—Sow the seed thickly in rich ground as soon as the ground has become warm, in drills three feet apart and one inch deep. Thin out to 10 inches apart and cultivate freely.

DWARF GREEN

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor and are considered very nutritious. Produces an abundance of long, slender, pale green pods, which are very tender when young. Postpaid, Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. 75c.

WHITE VELVET

The plants are about three and one-half feet high, early maturing and very productive. The pods are white, long, smooth and are tender until nearly full sized. Postpaid, Pkt. 5c; oz. 15c; 2 oz. 25c; 1 lb. 75c.



ROCKY FORD

Oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet, highly flavored, wonderfully uniform in shape and quality. A favorite with market gardeners. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

ROCKY FORD—POLLOCK 10-25

The latest improved popular Rocky Ford. It eliminates every defect of all other strains. Perfect in size, shape, netting, flavor, long keeping and good shipping qualities. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

GOLD-LINED ROCKY FORD

Of a fine uniform shape and without ribs; slightly oval; meat thick, light green with a light golden yellow rind. Flesh very sweet and spicy. There is no better melon than this. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; lb. \$1.25.

EXTRA FANCY HACKENSACK

Fruit attains a good size, weighing four to six pounds each. The melons are round, heavily ribbed; skin is green and thickly netted; flesh is light green, of delicious flavor, rich and sugary. It is also a luxuriant, healthy grower, and exceedingly productive. The earliest of all large netted melons. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c; 1 lb. \$1.50.

PARSLEY

CULTURE—Sow seed in shallow drills in the very early Spring for a border or in rows 12 to 18 inches apart, and thin the plants to four inches. Cultivation should be frequent and weeds kept removed. One ounce of seed will sow 150 feet of row; six pounds of seed required for an acre.

DARK MOSS CURLED

The leaves are of an extra dark green color. It is very productive, and on account of the densely curled character of its leaves a quantity can be gathered in a short time. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c

DOUBLE CURLED

Fine, dwarf, crimped leaves Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c.

MUSKMELON

CULTURE—Muskmelons delight in moderately rich, warm, mellow loam. The seed should be planted in the Spring upon the arrival of settled warm weather. Plant seeds one inch deep in hills four to six feet apart each way, and as soon as the plants begin to run remove all but four of the most likely ones.

BURRELL'S GEM

A very popular variety in this locality. The skin is rather dark green; the rind is thin, and the flesh is very dark, salmon colored of a most delicious flavor, juicy, and fairly melts in the mouth. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

HOODOO OR HEARTS OF GOLD

A new and excellent variety; an ideal shipper of medium size; rind thin; flesh very thick, firm and highly colored; of fine texture and delicious flavor. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

EXTRA EARLY CITRON OR NUTMEG

A standard and well known variety. Fruits are round, six to eight inches in diameter, ribbed and netted. Flesh is thick and pale green in color, very sweet. P. P. Pkt. 5c; oz. 15c; $\frac{1}{4}$ oz. 40c; 1 lb. \$1.25.

BANANA

Grows one and a half to two feet in length and three to four inches in diameter; flesh salmon, and exquisitely flavored, resembling banana. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c.

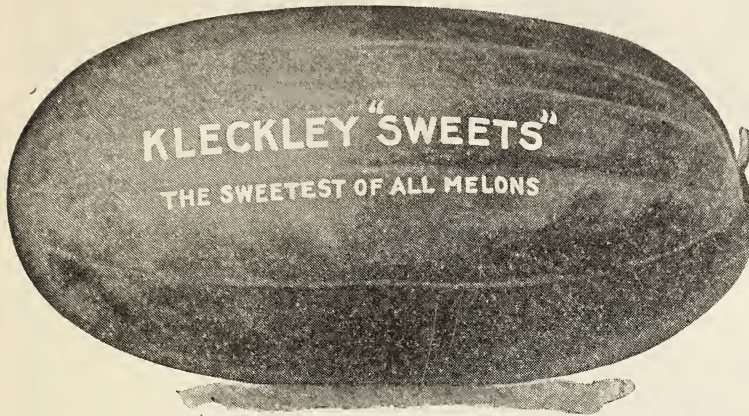
NEW HONEY DEW

We recommend sowing the seed in the northern states in pots or cold frames after April 15, so that established plants may be ready for setting in the open ground June 10 to 20. Postpaid, Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

OSAGE OR MILLER'S CREAM

Fruit medium size, oval, slightly ribbed, dark green in color, covered more or less with shallow netting. The flesh is deep salmon color and very thick, there being but slight cavity in the center of even the largest fruit; the quality is exceptionally fine. A favorite for the later markets. P. P., Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

WATERMELONS



KLECKLEY'S SWEETS

The finest of all medium early watermelons for home use. The rind is too thin to stand long distance shipment. The fruits are uniform in size, oblong in form, the skin is rich dark green, the flesh bright scarlet, the seeds lie close to the rind, leaving a very bright solid, red core. The flesh is rich, sugary and melting, entirely free from stringiness. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

ICE CREAM OR PEERLESS

Rind thin, light mottled green; flesh bright scarlet, solid to the center, sweet as honey. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

ALL HEART

The Sweetest of All Watermelons

Here we have an entirely distinct variety that is sure to excite the admiration of all lovers of fine Watermelons. It is not only of superb flavor, but is all its name implies. Solid as a cannon ball, and while it has a thin rind, the skin is firm, consequently making it a good shipper. Seeds are about the same size as apple seeds. Postpaid, Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 85c; 1 lb. \$2.50.

PHINNEY'S EARLY

Very early, quality good; hardy, bears abundantly, medium size, oblong melons with thin, smooth rind; flesh pink and tender. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

CULTURE—

Watermelons thrive best on light, well-drained soil, but give good results on any good rich garden soil that is properly drained and cultivated. Plant after the weather is settled and ground is warm. Hills should be eight feet apart each way and with well-rooted manure thoroughly worked into each hill. One ounce of seed will plant 80 hills, two or three pounds per acre. Thin to two or three plants per hill.

SWEETHEART

Remains in condition for use longer than any other sort. Fruit early, large, oval and very solid. Flesh bright red, tender and sweet. Rind thin, but strong. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

GYPSY OR GEORGIA RATTLESNAKE

A variety very popular with home gardeners and shippers. Long fruit, light green striped dark green. Flesh scarlet with white seeds; tender and sweet. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

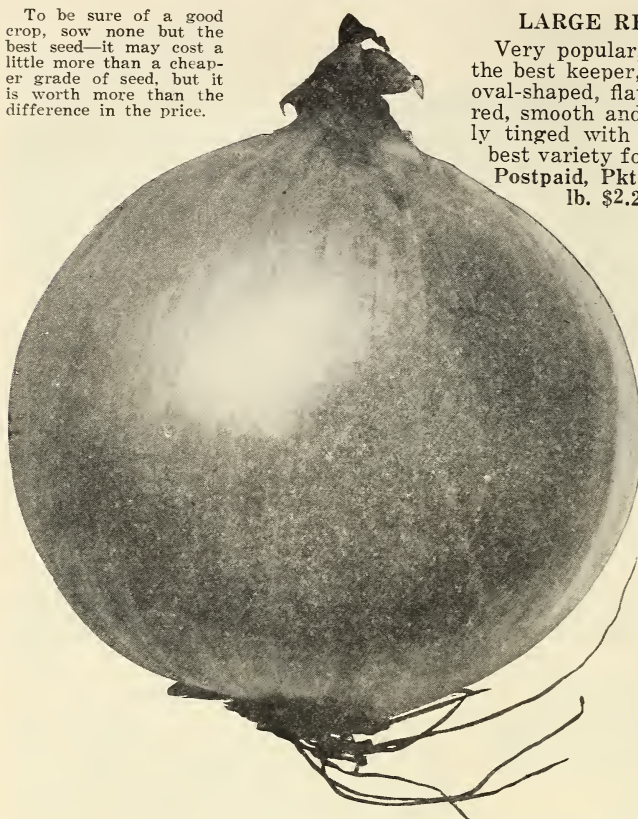
NEW KLONDIKE

Klondike is offered with the assurance of being not only remarkably early, but as sweet, delicate and melting in flavor as any variety grown. The flesh is of a deep scarlet. Rind thin, not a particularly good shipping sort, but is emphatically the variety for home use and sale. Postpaid, Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.

ONIONS—Hints on Onion Culture

Onions require a well drained loam. The land should be very rich and it is necessary that it should have raised a hoed crop the previous season. It is a mistake to attempt to grow onions on weedy or run-down land. To get the best results a heavy top dressing of well-rotted barnyard manure should be well worked into the soil. After this a complete commercial fertilizer containing a large proportion of potash should be used. This should be sown broadcast at the rate of 1,000 pounds per acre. If the land has been in a high state of cultivation the commercial fertilizer may replace the barnyard manure. It costs no more to cultivate a crop that yields 800 bushels per acre than it does to cultivate a crop that yields only 300 bushels. When land is in good condition onions may be grown on it from year to year. Seed should be sown as early in the spring as the land can be worked. If intended for hand cultivation, sow in rows 12 to 14 inches apart, and if for horse cultivation about 30 inches apart. It requires about four pounds of seed per acre. In the case the tops do not die off naturally, they may be broken down and so cause the bulbs to ripen, but onions will not make good keeping bulbs, and should be disposed of as soon as possible.

To be sure of a good crop, sow none but the best seed—it may cost a little more than a cheaper grade of seed, but it is worth more than the difference in the price.



LARGE RED WEATHERSFIELD

Very popular, a sure and heavy yielder; the best keeper, grows to an immense size, oval-shaped, flattened on top; skin purplish red, smooth and glossy; flesh white, slightly tinged with pink, strong flavored. The best variety for poor or dry soil.

Postpaid, Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

SOUTHPORT RED GLOBE

In all markets, globe onions are in greatest demand, being of such shape there is practically no waste. The onion which is perhaps the best known throughout the United States is the Southport strain. The Red Southport is perfectly globe-shaped and very handsome in color. The onions measure from two and a half to three and a half inches in diameter, and are very uniform both in size and shape. They are also good keepers. The globe varieties, as a rule, yield the largest crops, from 700 to 800 bushels an acre. The Red Globe meets with the greatest demand in the northwest.

Postpaid, Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

CRYSTAL WHITE WAX BERMUDA

This new variety is a large pure white, flat onion. During the last few years it has become very popular with the large growers of onions in the South, especially in southwest Texas. It does very well under northern conditions and produces one of the mildest and sweetest of them all. It is very fine for slicing, the color being so clear and pure. The best seed is produced in Teneriffe, Canary Islands. Our stock is genuine, but limited. Pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.75.

YELLOW BERMUDA

The bulbs are quite broad and flat in form. The color is not a clear white, as in our American varieties, but rather a pale straw; flesh crisp, solid and mild in flavor. The plants are extremely thin-necked, insuring even and early ripening. Pkt. 10c; oz. 40c; 1 lb. \$4.00.

MAMMOTH SILVER KING

In appearance the most striking onion grown. We hardly know which to comment the most, its large size, symmetrical appearance and beautiful, silvery flesh or its sweetness, tenderness and mild flavor. These qualities make it the best for exhibition and the fancy high-priced trade. Not recommended for the extreme North except for bunching.

Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.

VALENCIE SWEET SPANISH

A distinct type and of a very superior quality and flavor. The flesh is unusually mild, pure white and sweet. They make handsome looking onions. A fine shipper and good keepers, quick sellers. The onions will range in size from 3 to 5 inches in diameter if given good soil, cultivation and ample room. An ideal globe-shaped onion with a light yellow skin. Postpaid,

Pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.75.

AUSTRALIAN BROWN

Early and very hard variety which does especially well in Idaho. The skin is thick and the color is a rich brown. Is especially noted as a long keeper, as it keeps well into spring without sprouting or shriveling and much longer than other varieties.

Postpaid, Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.25.

SOUTHPORT WHITE GLOBE

White Globe Onions command the highest market prices when they are true globe-shaped and free from stain. Our Southport White Globe Onion meets these requirements, having a thin skin of purest whiteness. The flesh is crisp, fine grained, very white and mild. As soon as ripe the bulbs should be stored in a cool, dark shed or dry cellar. Pkt. 5c; oz. 35c; ¼ lb. 85c; 1 lb. \$2.75.

WHITE BARLETTA

This variety is more distinct on account of its earliness. It is earlier than the White Queen. It is of a beautiful waxy white color and grows 1¼ inches in diameter and ¾ of an inch thick, with finely formed bulbs, slightly flattened at the top. Its earliness will highly recommend its use as a substitute for onion sets. An excellent bunching and pickling sort. Postpaid, Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.50.

SOUTHPORT YELLOW GLOBE

Very similar to the Southport Red Globe, except that it averages a trifle smaller and matures a little earlier. The skin is a rich brownish yellow; the flesh white, crisp and fine grained. Great care has been given to the selection of our seed, so as to give uniformity of size, shape, small necks and heavy yield. Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.

PARSNIPS

CULTURE—As the seeds germinate very slowly, sow as early in Spring as possible, in drills 15 inches apart on deeply cultivated, rich, loamy soil. Keep clear of weeds and thin to three or four inches apart. The roots of the parsnips are improved by fretezing.

HOLLOW CROWN OR LONG WHITE

Root very long, white, smooth, tender, sugary. and of most excellent flavor. Very hardy; will keep through the Winter without protection. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.

SWEET MARROW PARSNIP

This fine new Parsnip of English origin is offered with full confidence that it will become a prime favorite with all who use it. It is very fine grained and exceedingly sweet, while the peculiar "parsnip" flavor is fully preserved. The roots are unusually smooth and attractive in appearance. The best of all Parsnips for the market or private garden. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.



BOTTOM ONION SETS

Small onions grown from seed that has been sown too thickly to attain a large size. The small onions (about ½ inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some six weeks earlier than a crop grown directly from the seed.

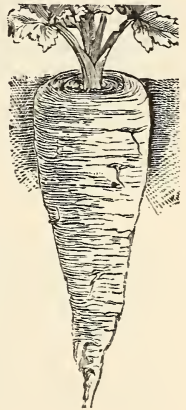
White Bottom Sets, Yellow Bottom Sets
Postpaid, 1 lb. 25c; 5 lbs. \$1.00.

ONION PLANTS

Raise Early Onions from Onion Plants.

For those who desire an early crop, either for table use or for local marketing, these plants will prove most desirable, and the fact that they are inexpensive and call for the minimum of labor and trouble in producing the crop has created an ever-increasing demand for them. They may be set out at the same time you would plant sets or cabbage plants. Plant in rows about 15 inches apart and 3 to 4 inches apart in row.

Crystal White Wax Bermuda: Postpaid,
100 25c; 200 45c; 500 \$1.00; 1,000 \$1.85;
6,000 \$8.00.



PEPPERS

CULTURE—Sow the seed early in hotbeds; or later, when the weather becomes warm, in open beds. When two or three inches high transplant to a warm, mellow soil, in rows eighteen inches apart and a foot apart in the rows. Guano and hen manure are excellent fertilizers and will greatly increase the yield.

CHINESE GIANT

Sweet. The mildest and best of the field red peppers. Four to five inches in diameter; color, brilliant deep red; borne in clusters; bush stocky, well branched; vigorous and about as early as Ruby King. Postpaid, Pkt. 10c; oz. 60c; ¼ lb. \$1.50.

LARGE SWEET SPANISH

A very large sort, of square form, mild, thick and suitable for filling with cabbage, etc., and for mixed pickle; less pungent than most sorts; notwithstanding its size it is one of the earliest varieties. Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb. \$1.25.

RUBY KING

Very large, sweet and mild; bright scarlet. Postpaid, Pkt. 10c; oz. 50c.

PUMPKIN

CULTURE—For seed sown with care, plant only one row in five, which, when the vines begin to run, may be omitted in cultivation and thus the plants will not be injured. Use a dibbler and plant three to five rows in every third hill of corn. Plant as a single crop in hills eight feet apart each way. Use Paris green land plaster or wood ashes to control the striped squash bugs. When well established thin to four plants in each hill.

LARGE CHEESE OR KENTUCKY FIELD

Large, round, flattened, hardy and productive. About two feet in diameter. A fine keeper. Thick flesh of extra fine quality. A fine sort for family and market use. It is also grown quite extensively for stock feeding.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00; 5 lbs. \$4.00.

EARLY SUGAR OR PIE PUMPKIN

Small, round, flattened, prolific, deep orange yellow. Flesh fine grained, sweet and of finest quality. One of the best for pies.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

MAMMOTH PRIZE

The largest pumpkin grown. Has weighed as high as 225 pounds. A winner. The flesh is fine grained and the quality is excellent. The flesh and skin are of a bright golden yellow color. Notwithstanding its large size it is a fine variety for pies and is a splendid keeper. Postpaid, Pkt. 5c; oz. 15c; 1 lb. \$1.25.

CONNECTICUT FIELD

An immensely productive, large orange-colored field pumpkin, usually grown for stock feeding, but also makes good pies.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00; 5 lbs. \$4.00.

PEAS**Early Varieties**

(One pound of seed for 50 feet of drill)

Peas from any one planting will remain in the best condition for use only for a comparatively short time. To have a constant supply throughout the season, a success of planting should be made.

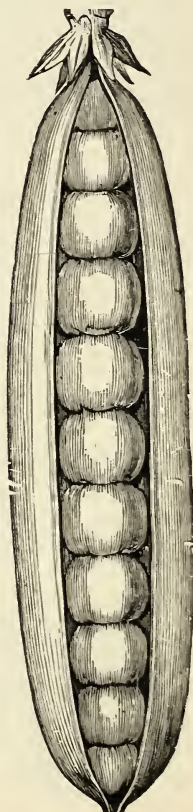
The dwarf varieties do not bear as heavily nor for so long a period as the climbing sorts, but for small gardens they have the advantage that they are grown almost exclusively by many Western gardeners. One or two dwarf sorts sown every ten days or two weeks will maintain a supply.

ALASKA

Height, 2½ feet. Very early and exceedingly uniform in maturing its crop. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 15c; 1 lb. 20c; 10 lbs. \$1.75.

AMERICAN WONDER

Height, 10 inches. The veins bear a great abundance of good sized pods containing five to eight large, exceptionally sweet, tender and well flavored peas. This is the earliest of the dwarf, wrinkled varieties. The seed is medium sized, wrinkled and pale green. Especially adapted for family use, and as they require no brush. Postpaid, Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.



**DWARF TELEPHONE OR CARTER'S
DAISY**

Grows from 20 to 40 inches high; the vines are very vigorous, or a branching habit, and bear for a long time a great quantity of large, dark green pods. It is one of the best second early, and, on account of its nice appearance, brings the highest price on the market. Must be sown farther apart than other peas. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.**

TALL TELEPHONE

This variety is one of the finest branching, tall, wrinkled marrows yet introduced. It is immensely productive, of the finest quality, and excellent sugary flavor; vines strong, averaging 18 to 20 pods per stalk; the pods are of large size and closely packed with six to eight large, delicious peas. Height, 4½ feet. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.**

LITTLE MARVEL

An extremely valuable variety, especially suited to home gardens, and is also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 14 to 18 inches in height. The pods are dark green, fair sized, produced in pairs and are closely filled with seven to eight peas of extra fine flavor. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.**

HUNDREDFOLD

A splendid mid-season variety, growing about 2 feet tall. Vines very sturdy and bears a much heavier crop than other varieties and of a superior quality. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.50.**

SEED POTATOES

Write for Prices on Early and Late Varieties

SWEET POTATO PLANTS

Plants ready from May 1 to June 15. Our large experience in this line enables us to make shipment to long distance points, with comparatively no loss. However, we do not guarantee safe arrival, as oftentimes mail is delayed or something happens beyond our control. If wanted by mail, postage should be added, 15c for 50; 25c for 100 plants. Will make special rates on large lots.

RED AND WHITE YAMS, 50 plants, 60c; 100, \$1.10.

YELLOW JERSEY, 50 plants, 60c; 100, \$1.10.

Order Early.

RADISHES**The Secret of Growing Good Radishes**

The secret of growing good radishes consists chiefly in the observance of three points. First, they should be grown on light, quick soil. Second, they should be given plenty of water, and last, but not by any means least, the right kind of seed should be sown. Radishes grow very quickly and if not supplied with sufficient moisture are likely to be pithy.

Sow seed ½ inch deep in the early Spring in rows one foot apart and the more fertile the soil the faster they will grow. For a succession, sow every 10 days throughout the season and stir the soil sufficiently to keep out weeds. One ounce of seed required for 100 feet of row; eight to ten pounds of seed will plant one acre.

DWARF SUGAR

Two feet in height, producing a heavy crop of small, flat pods about 3 inches in length. **Postpaid, ½ lb. 20c; 1 lb. 30c.**

NOTT'S EXCELSIOR**An Ideal Pea for the West**

Dwarf, early variety, about 14 inches high, and quite productive. The pods are three inches long, round and blunt at the ends. The peas are of medium size, green, wrinkled and of good quality. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.**

GRADUS

This excellent quality, wrinkled pea bears pods of large size and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; growth vigorous and healthy, vines 2½ feet in height; very prolific. The peas remain tender and sweet for a long time.

Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.

LAXTONIAN

A few, early dwarf, robust, large podded pea of superior excellence, growth averaging 16 inches. The large pods are well filled, holding eight to ten peas. Laxtonian is so highly recommended that you should give it a trial. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.**

LITTLE GEM

Height 16 to 18 inches. The vines are of dwarf growth and produce an abundance of round, well filled pods 2½ to 3 inches long. The peas are green, wrinkled, of sweet, delicious flavor and excellent quality. **Postpaid, Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 10 lbs. \$2.35.**

EARLY SCARLET GLOBE

A select forcing strain especially adapted for greenhouse and hotbed culture, but may be grown outdoors also with the best results. Has a small top and very early, being fit to pull as soon as Pon Plus Utra, but is much larger when matured. The flesh is white and tender, making it desirable for gardeners whose markets demand a large first early radish. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

EARLY CRIMSON GIANT**The Largest Early Scarlet Turnip Shaped Radish**

A new, early radish, double the size of any of the turnip-shaped type, but notwithstanding its immense size, does not get hollow and pithy. The flesh is sparkling white, solid, crisp, juicy and of the mildest flavor. The shape of bulb varies from round to almost oval, but the bright deep crimson color of skin remains quite constant. Excellent for both forcing and open ground.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

SPECIAL FRENCH BREAKFAST

It is oblong in shape, has a bright scarlet top and pure white tip. It matures quickly and is sweet, crisp, solid and tender. When offered for sale it quickly attracts the buyer's attention.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 90c.

EARLY SCARLET TURNIP, WHITE TIPPED

Practically the same as the Rosy Gem, except that it is not quite so early, but is used mostly for outdoor culture.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

WHITE ICICLE

The finest of early, pure white varieties. They are long and slender, and clear, pure white, making them very attractive when on sale and on the table. It is crisp and tender both when young and until it attains larger size, thus remaining in condition for use for a considerable time.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 90c.

LONG SCARLET SHORT TOP

A standard popular sort. Grows to six inches in length, matures in 25 days and can be used before it is fully grown. The roots grow half out of the ground, are very uniform in shape, smooth and very bright red in color. It remains crisp and tender until fully grown. Excellent either for market or for private garden.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. 90c.

WINTER RADISHES

The merits of Winter Radishes are little appreciated, probably because they are seldom grown and few people have knowledge of their worth. Sow seed in the middle of June.

LONG BLACK SPANISH

One of the largest, latest as well as the hardiest of Radishes. Roots of medium size, oblong, and flesh is of firm texture. Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

CALIFORNIA MAMMOTH WHITE

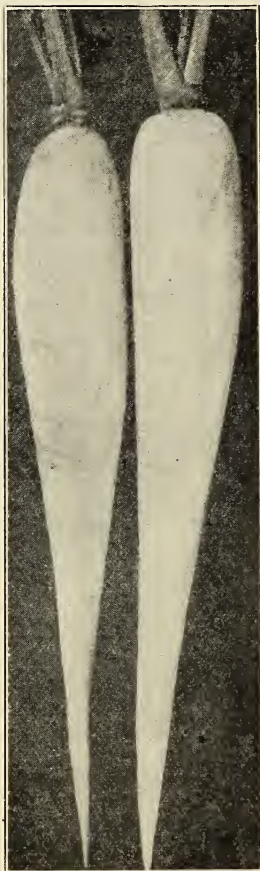
Pure white, about one foot long and two or three inches through, tapering to tip. The flesh is tender and crisp, keeping well through the winter.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.

CHINA ROSE

Bright rose color, flesh firm and piquant, cylindrical or largest at bottom, tapering abruptly to small top. One of the best for Winter use.

Postpaid, Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; 1 lb. \$1.00.



SALSIFY, or Vegetable Oyster

CULTURE—Sow early in Spring, in drills a foot apart, and when two or three inches high thin out to three or four inches. Its general culture is the same as that recommended for carrots. The roots are perfectly hardy and may remain in the ground during Winter, or may be stored in dry earth or sand.

SANDWICH ISLAND

Grows uniformly extra large, averaging fully double the size and weight of the roots of the old variety. Of very superior quality and delicate flavor. Postpaid, Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c.

SPINACH**BLOOMDALE OR SAVORY LEAVED**

This is the earliest variety. Plant is of upright growth with narrow pointed crinkled leaf. It is very hardy. Postpaid, Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

**LONG STANDING**

This excellent variety comes quickly to maturity and remains in condition for use much longer than other sorts. The leaves are smooth and very dark rich green. One ounce will sow 100-foot row.

Postpaid, Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

ROUND THICK LEAVED

A rapid growing variety forming clusters of large, very thick, and slightly crinkled leaves. A favorite with market gardeners.

Postpaid, Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 60c.

SQUASH

CULTURE—Plant seed in extra fertile soil in the Spring as soon as danger of frost is past. The vining varieties should be planted in hills eight or ten feet apart each way, and the bush varieties from four to five feet. Place 10 seeds in a hill and cover with an inch of soil. When the plants are started, thin out and cultivate. One ounce of seed required for 20 hills. For running variety $3\frac{1}{2}$ to 4 pounds seeds required per acre. Bush varieties require six pounds of seed per acre.

BANANA SQUASH

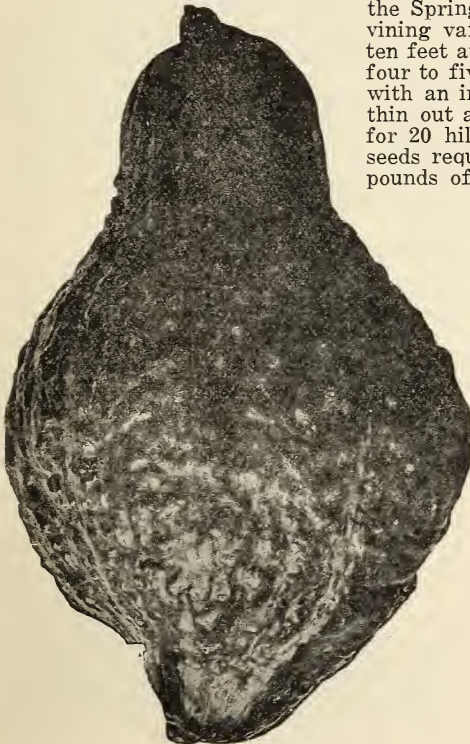
Grows from one to two feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color. Resists heat of the sun better than the Hubbard and, because of its excellent flavor and splendid keeping qualities, remaining in good condition from one season to another, is already superseding that variety in many localities.

Postpaid, Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.

TRUE HUBBARD

The best seller and most popular variety on our list. Rind is dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior. Keeps perfectly through the winter.

Postpaid, Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; 1 lb. \$1.25.



RED OR "GOLDEN" HUBBARD

This is identical in size, form and fruitfulness with the Chicago Warted Hubbard; the chief distinction being that the heavily warted skin is of a rich orange yellow, turning to a deep salmon red when ripened. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

MAMMOTH CHILI

Weight up to 100 lbs. Immensely Profitable. Very Productive.

Attains an enormous size, often reaching a weight of 75 pounds, and not infrequently weighs 100 pounds. Despite its size, its flesh is rich and fine flavored. It is especially desirable for stock feeding and exhibition purposes. From the illustration you will note its uniformly large size. For feeding cows it is best to cut them up, mixing with ground feed. As the yield an acre will run from 8 to 15 tons, it will thus produce a very cheap and nutritious feed. In feeding to swine all that is necessary is to break the Squashes open and the swine will help themselves. Mammoth Chili Squashes carry off the prize at nearly every show where they are exhibited.

Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

TABLE QUEEN OR DES MOINES

Introduced under the name of "Table Queen." Names changed at the request of Des Moines Market Gardeners Association. Vines are vigorous and very productive. Just the right size, averaging about 6 to 8 inches in diameter. Color dark green, with sometimes a blotch of red at pointed end. Shell is hard and smooth, and ridged. Just wash it clean, cut in half, take out the seeds, bake 20 minutes and you will have the nicest squash you ever tasted. Splendid for pies. Ripens in the Fall and keeps as long as Hubbard. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

GREGORY'S DELICIOUS

In dryness, sweetness and richness of flavor, surpasses all other Squashes. The shell is green in color, the flesh a rich orange. An excellent winter keeper. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

SIBLEY OR PIKE'S PEAK

Shell smooth, thin and of a pale green color; the flesh is thick, solid, deep orange color; very dry, fine grained with delicate flavor. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

SUMMER VARIETIES**GOLDEN SUMMER CROOK NECK**

Early and prolific. The fruits are of the true crook-neck type, heavily warted and of light golden color; about one foot long. Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 45c.

WHITE BUSH SCALLOP

(Patty Pan.) Matures early and will bear throughout the season if fruits are kept gathered. Squashes are clear white and of large size. Flesh is thick and of very fine quality. Pkt. 5c; oz. 15c.

ENGLISH VEGETABLE MARROW

Oblong, dull yellow skin, very prolific and of finest table quality. Postpaid, Pkt. 5c; oz. 15c.

TOMATOES

The newest types of hardy, prolific tomatoes are better adapted to the cool coast climate than the older sorts; and splendid crops are now being grown where heretofore it was thought tomatoes would not thrive. A good plan is to try several varieties and find which is best suited to your special conditions.

CULTURE—Sow early in hotbeds, and as soon as they have four leaves transplant them into shallow boxes. Harden off, and set out as soon as danger of frost is past. An ounce of seed will produce 3,000 to 4,000 plants.

If blight appears use "Bordeau," but it is better to use a preventive before blight strikes the plant, and as a control measure for flea beetles, spray the under side of foliage.

DWARF CHAMPION

Dwarf and compact in habit; sold by some seedsmen as the Tree Tomato. Stands up well, even when loaded with fruit, having a stiff, bushy stem; can be planted close together; very desirable in small gardens; early. It is always smooth and attractive; the skin is tough and flesh solid, but has no hard core, and is of good flavor.

Postpaid, Pkt. 10c; oz. 45c; ¼ lb. \$1.50.

CHALK'S EARLY JEWELL

The largest, smoothest and fine flavored, extra early bright red tomato. About ten days later than Spark's Earliana. It is a heavier cropper, with tomatoes of larger size and sweeter flavor, produced throughout the season. Flesh is thick, solid, of fine flavor, with few seeds; the skin is strong enough to make it a good shipping variety. Postpaid, Pkt. 5c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00.

PONDEROSA

The largest tomato, fruits are solid and of purplish red color, sweet and of good quality. Postpaid, Pkt. 10c; oz. 50c; ¼ lb. \$1.50.

JOHN BAER

Extra early, scarlet fruited, hardy and productive. Shippers should try it.

Postpaid, Pkt. 5c; oz. 45c; ¼ lb. \$1.25; 1 lb. \$4.00.

GROUND CHERRY OR HUCK TOMATO

Grows to great perfection under ordinary culture, yielding abundantly; very much prized for preserving. It should be in every garden. Pkt. 5c.

NEW STONE

This new variety has obtained great popularity with canners, growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red. In shape, perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Postpaid, Pkt. 5c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.75.

RED HEAD

Very early. Smooth as an egg. Deep red color. Very prolific yielder. Postpaid, Pkt. 10c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00.

SPECIAL EARLIANA**The Earliest Tomato**

Of large, uniform size and beautiful red color. Ripens thoroughly all over, the stem end coloring up perfectly. Almost seedless and very solid. A most vigorous grower and heavy bearer, continuing until frost. Succeeds everywhere, and especially recommended for the coast. Postpaid, Pkt. 5c; oz. 40c; ¼ lb. \$1.25; 1 lb. \$4.00.

YELLOW PEAR

A small pear-shaped tomato, borne in great profusion, vine literally covered with large clusters of fine, solid fruits; excellent for preserving, and for use in salads and cooking is superior, as flesh is not watery. Very hardy. To this class belongs Yellow Plum. Postpaid, Pkt. 5c; oz. 45c.

MARIGLOBE

A new variety developed by United States Department of Agriculture. Very wilt-resistant and is a handsome deep red, globe-shaped tomato of great merit. Plants are vigorous, dark green and productive; fruits are quite large. A very desirable tomato for salad or slicing. Excellent for canning. Pkt. 10c; oz. 60c; ¼ lb. \$1.80; 1 lb. \$6.50.

TURNIPS

CULTURE—For early use sow the small sorts as soon as the ground can be worked in the Spring, in drills 14 inches apart. As this seed is very fine, it should be covered but slightly, except in very dry weather. For Fall and Winter use, sow the early kinds during July, August and September.

EXTRA EARLY WHITE MILAN

The earliest Turnip. Tops very small, distinctly strap-leaved and growing very erect and compact. Bulbs form earliest of any sort. The clean white roots are smooth, fit, symmetrical and handsome in appearance. The flesh is white, tender and sweet.

Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.

WHITE EGG

Is perfectly smooth, of a pure, clear white, being a very choice kind for table use of excellent flavor. Pulls clean from the ground; thin, snow-white skin.

Postpaid, Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

EARLY WHITE FLAT DUTCH

One of the very best and most universally grown. Small, erect top, round, flat; flesh white, firm, but tender and sweet. Of quick growth, it is soon ready for the table and keeps well.

Postpaid, Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

ORANGE JELLY**or Robertson's Golden Ball**

Undoubtedly one of the most delicate and sweetest yellow-fleshed turnips yet introduced. Not so large size, but firm, hard and most excellent flavor; keeps well and is superior as a table variety. It is extensively used by market gardeners.

Postpaid, Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.



PURPLE TOP STRAP LEAF

A leading white-fleshed variety, and one of the best either for the family, market garden or field crop. It is medium size and produces a large crop. The flesh is firm but tender, and of a superior, rich buttery flavor. A good keeper. **Postpaid, Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

PURPLE TOP OR WHITE GLOBE

A large, globe-shaped variety, purple above the ground. It is handsome and of excellent quality; recommended both for family garden and field crop. **Postpaid, Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

RUTA BAGA OR SWEDE

IMPROVED AMERICAN PURPLE TOP

The leading standard variety, being distinct in type, attaining a wonderfully large size; immense yielder. The flesh is very firm, superior in every way, valuable alike for all purposes. **Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.**

KING OF SWEDEN

The best and most satisfactory ruta бага for either table or stock. Wonderfully productive, large, of good shape, and a splendid keeper. The flesh is rich, yellow and of finest quality. **Postpaid, Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 90c.**

HERBS—Aromatic, Medicinal and Pot

- AINSE—An annual cultivated for its seeds and its leaves, which have a fragrant, agreeable scent, and a pleasant taste.....**Pkt. 5c**
BALM—A hardy perennial of aromatic taste and a grateful, fragrant smell.....**Pkt. 5c**
CARAWAY—The seeds are used for flavoring.....**Pkt. 5c**
CATNIP or CATMINT—A great favorite among medical herbs.....**Pkt. 15c**
CORIANDER—Annual; its tender leaves are sometimes used for soups and salads**Pkt. 5c**
HOP—A popular variety of commerce.....**Pkt. 10c**
HOREHOUND—Perennial; used as a tonic.....**Pkt. 10c**
LAVENDER—Perennial; cultivated for its fragrant flowers and aromatic leaves**Pkt. 15c**
ROSEMARY—The tops only are used as a medicine.....**Pkt. 5c**
SAGE—Perennial; tea made from the leaves is an excellent means of producing sweat**Pkt. 5c; oz. 15c; ¼ lb. 45c**
SAFFRON—Annual; the dried flowers are used for medical purposes.....**Pkt. 5c**
SAVOY—Annual; leaves are used for culinary purposes.....**Pkt. 5c**
SWEET BASIL—Annual; the leaves are used for highly seasoned dishes.....**Pkt. 5c**
SWEET FENNEL—Perennial; tea made from the seeds is an excellent remedy in case of colic and stomach complaints.....**Pkt. 5c**
SWEET MAJORAM—Biennial; the leaves are used in soups; the seeds in the manufacture of sausage**Pkt. 5c**
SWEET THYMS—Perennial. Thyme tea is an excellent remedy for nervous headache**Pkt. 5c**
WORMWOOD—Perennial; used for medical purposes. Beneficial to poultry and should be planted in every poultry yard.....**Pkt. 5c**

FLOWER SEEDS—(Flower Seeds All Postpaid)

Space does not permit us to list all flowers which we carry in stock. Write for varieties and prices.

ASTER, MANY SORTS MIXED

This very fine mixture embraces all varieties and all colors. The aster is one of the most charming of all flowers, sure to give pleasure and satisfaction under generous treatment. **Pkt. 5c**

ASTER, OSTRICH, PLUME

Flowers large with very long, loosely curved petals. Very fine as cut flowers; height 15 inches. The colors are exquisite. Asters are especially popular for their beauty and lasting qualities. All colors mixed. **Pkt. 10c**

BACHELOR'S BUTTON

Also known as Centurea, Cornflower, Blue Bottle, Ragged Sailor, Sweet Sultan, etc. These are among the most attractive of all hard annuals and one of the most popular flowers. Mixed colors. **Pkt. 5c**

CALENDULA, POT MARIGOLD

Freely flowering plants of easiest culture, succeeds everywhere and flowering continuously. Flowers double, showy, of large size and pleasing colors. One of the best old-fashioned flowers. **Pkt. 5c**

ORDER BLANK

Express Co. or Railroad.....

Total.....\$.....

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PRICES SUBJECT TO CHANGE WITHOUT NOTICE

[illegible]

IMPROVED CREGO GIANT COMET ASTERS

This Aster resembles the Chrysanthemum very much in form. It is usually large, being 3 to 5 inches in diameter when well known. The petals are very large, twisted and curled so as to give the blossoms a beautiful, fluffy appearance. They keep in good condition extra well when cut. The plants are luxuriant, branching growth, attain a height of 18 inches to 2 feet, each plant bearing from 20 to 30 magnificent flowers on very long stems. We offer these in 6 shades, each distinct and deserving of cultivation.

Pkt. 15c

ALYSSUM SWEET

A very neat and pretty plant for edging, rock work, beds or vases. Sweet scented, blooms profusely all Summer.

Pkt. 5c

BALSAM OR LADY SLIPPER

Double Camelia Flowered. An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliant colored double flowers in the greatest profusion; of easy culture; succeeds in a good rich soil. Unrivalled for great variety and size of flowers. Two feet. Many colors and combinations.

Pkt. 5c

CARNATIONS, MARGUERITE

This new class of carnation blooms in about five months after sowing the seed. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc., exquisitely sweet, and fully 80 per cent perfectly double. The plants succeed alike in the open garden or in pots. Seeds sown early in the year will give an abundance of flowers in July. Sown in May and kept pinched back, plants will bloom late in the Fall until checked by hard frosts. Mixed colors.

Pkt. 10c

CANNA, INDIAN SHOT

Dwarf Large Flowering French

Unquestionably the finest of bedding plants for the American climate and easily grown from seed. Soak the seeds in warm water until they swell, then sow in sandy loam and place in a hotbed. When up to the second leaf pot off singly and keep under glass until the proper planting season. A mixture of many varieties.

Pkt. 15c

COSMOS, EXTRA FANCY

Cosmos is the showiest of our late Summer and Autumn blooming annuals. Its graceful flowers borne on long stems, rising above the feather foliage are very desirable for home decoration, lasting a week or more in water. It is a very prolific bloomer and if the plants are given space to develop well will branch freely, every shoot being covered with a mass of lovely flowers. Crimson, white and rose. Mixed colors.

Pkt. 5c

CLARKIA

Bright and attractive annuals of easy culture. The long, graceful sprays are valuable for table decoration. They thrive in sun or shade, growing 2 to 2½ feet high, with masses of double flowers, which all open in water when cut. All colors mixed.

Pkt. 5c

CALLIOPSIS OR COREOPSIS

Showy and beautiful free-flowering annuals, blooming all Summer and excellent for cutting and massing. All colors mixed.

Pkt. 5c

CANDYTUFT

Universally known and cultivated. When sown in April, flowers from July until frost. Very hardy and easy to cultivate. Height one foot. All colors mixed.

Pkt. 5c

CYPRESS VINE

One of the most popular vines with delicate, fern-like foliage and masses of beautiful small star-shaped flowers. Suitable for porches, window boxes and baskets. All colors mixed.

Pkt. 10c

ESCHSCHOLTZIA OR CALIFORNIA POPPY

A very attractive annual for massing, beds or edgings, profuse flowering, with fine-cut foliage. All colors mixed.

Pkt. 5c

FOUR O'CLOCKS. OR MARVEL OF PERU

A handsome, free-flowering garden favorite, which succeeds everywhere. Give each plant 12 to 18 inches of room. Fine mixed colors.

Pkt. 5c

GYPSOPHILA, BRIDAL VEIL, BABY'S BREATH

Flowers in a few weeks after sowing. Its graceful panicles of dainty blossoms and feather foliage are unequalled for making up bouquets. Sow at intervals during the Summer.

Elegans alba grandiflora. Pure white.

Pkt. 5c

Elegans carmine. New shade.

Pkt. 10c

Elegans rosea. Rose.

Pkt. 5c

KOCHILA

Summer Cypress or Mexican Fire Bush. An easily grown annual, which sown thinly in Spring soon forms a cypress-like hedge of lively green and of perfect symmetry; it attains a height of about three feet, and on the approach of Autumn the whole plant becomes a deep red.

Pkt. 5c

LARKSPUR

This is one of the best known garden flowers. A vast improvement has been effected by careful selection and attentive cultivation, in size and color of the blossoms and the general habit of the plant. Hardy annuals. Mixed colors.

Pkt. 5c

LUPINS

Annual Mixed. Very desirable garden plants, showy and excellent for cutting. Graceful spikes, 2 feet long, in various shades of white, blue, pink and yellow.

Pkt. 5c

LOBELLA

Pleasing, half hardy annuals growing four to six inches high, liberally covered with small, bright flowers during the entire season.

Pkt. 15c

MARIGOLD, AFRICAN

Plant grows 2½ feet high, producing large, double flowers about three inches in diameter; orange and lemon shades predominating.

Pkt. 5c

MARIGOLD, FRENCH

Very free flowering annual of easiest culture. Dwarf in growth and very effective for bedding purposes. Covered with hundreds of small, bright flowers.

Pkt. 5c

MIGNONETTE, SWEET SCENTED

A well known, fragrant garden favorite. Sowing made from May to July will give a succession of blooms from early Summer until frost.

Pkt. 5c

MORNING GLORY

One of the most free flowering and rapid growing climbers in cultivation, thriving in almost any situation.

Pkt. 5c

NASTURTIUM, STERLING DWARF MIXED

This popular flower is so well known as to require no comment. In this mixture are included the finest colors and combinations obtainable in the dwarf varieties.

Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.25.

NASTURTIUM, STERLING TALL OR CLIMBING MIXED

Many prefer the climbing or running type for porches, trellises or rock work. They grow very rapidly and give an abundance of showy blooms and foliage. Nothing finer in a mixture can be found than this. All the finest and rarest varieties are included.

Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.25.

PANSY, BUGNOT'S SUPERB BLANCHED

Extra large flowers, charming brown-red and bronze shades. An exceedingly beautiful strain.

Pkt. 25c

PANSY, GIANT FANCY MIXED

Great improvement has taken place within the last two or three years in the character of the largest pansies. Giant Fancy is the finest mixture of the larger varieties. For this is used only the seed from the very choicest blossoms. It includes many of the newest productions of famous growers.

Pkt. 10c; ½ oz. 75c.

PANSY, BEDDING MIXED

Composed of many standard sorts admirably suited for beds or borders, strong growing plants, very free blooming.

Pkt. 10c; oz. 50c

SHIRLEY POPPY

A charming, hardy annual with large fluted and crinkled flowers in a variety of forms and colors.

Pkt. 10c

PETUNIA

The Petunia is peerless among annuals for effective Summer bedding or window boxes. It is of easy culture, early to blossom and continues all the Summer until frost. No other flower produces a greater diversity of color or retains its freshness for a long period. The doubles may be perpetuated by cuttings in late Summer for Winter house plants. Provide good soil and a sunny location. All colors mixed.

Pkt. 10c

PHLOX DRUMMONDII

Of all the summer flowering annuals the varieties of Phlox Drummondii are unquestionably some of the most brilliant and satisfactory. Seed may be grown in the open ground any time after danger of frost is past, and in a few weeks the beds or borders are aglow with their brilliant coloring and remain so until cut down by frost. For early flowering they should be started indoors or in a hotbed. Mixed colors.

Pkt. 10c

PINKS OR DIANTHUS

One of the most popular and magnificent flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The annual varieties may be sown out of doors when danger of frost is past and in a few weeks time they are a mass of bloom, continuing so until frost. One foot. All colors mixed.

Pkt. 5c

SALPIGLOSSIS, PAINTED TONGUE

Very beautiful, hardy annual plants, flowering freely from July to early Autumn. Rich soil should be provided with plenty of space for plants to develop. Large flowering, mixed.

Pkt. 10c

POPPY

The most popular of all annuals, producing a gorgeous display of bloom, unequalled by any other annual. Single and double in choicest mixture.

Pkt. 5c

POPPIES, STERLING DOUBLE MIXTURE

Includes all of the double varieties of large flowering poppies of all colors; also many varied tints and combinations of colors. Many of the blossoms are six to seven inches in diameter and as double as peonies, 30 to 36 inches high. They are fine for cut flowers or garden display. Pkt. 5c

SNAPDRAGON

Readily grown from seed and is a constant source of pleasure, being in bloom all the time; excellent as cut flowers, lasting many days. All colors mixed. Pkt. 10c

GIANT DOUBLE ZINNIA

One of the most brilliant and showy of annuals, and has long been a general favorite. They come in flower early in the Summer, and keep on blooming until hard frost. Mixed colors. This is considered the best type for general use; forming bushy, compact plants not over 3 feet high and bearing flowers measuring 5 to 6 inches across.

White, Pkt. 15c; orange, Pkt. 15c; salmon rose, Pkt. 15c; dark scarlet, Pkt. 15c; canary, Pkt. 15c; bright scarlet, Pkt. 15c; double mix, Pkt. 10c.

PORTULACA OR MOSS ROSE

One of the finest hardy annuals, of easy culture, but thrives best in exposed sunny situation. The flowers are of the richest colors and are produced freely throughout Summer. All colors mixed. Pkt. 10c

RICINUS, CASTOR OIL BEAN

Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing a sub-tropical effect; fine for lawns, massing or center plants for beds. Mixed. Pkt. 5c

SALVIA

(Flowering Sage)

Half-hardy perennials, blooming the first year from seed if sown early. The plant grows three feet high and bears profusely during the Summer and Fall very fragrant flowers in drooping spikes of the most intense glistening scarlet. Splendid in working out color schemes if properly used. *Salvia Splendens*, Pkt. 10c

VERBENA, MAMMOTH FLOWERING

The largest verbenas known, a single flower often being as large as a 25-cent piece. The beauty of this plant is well known and scarcely needs comment. All colors mixed. Pkt. 10c

HARDY PERENNIAL FLOWER SEEDS

CULTURE—Everyone likes perennials because they are permanent—once established they increase in size and beauty. Many sorts are raised from seed, usually blooming the year after sowing. The seed bed must be well drained, fine and firm. If the soil is at all heavy, cover with one inch of sand. The seed may be planted from

ECHINOCYSTIS, WILD CUCUMBER VINE

A well-known vine, common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc., never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, and very profuse in bloom. It will sow itself and come up in the same place. Sow seed in Fall. Pkt. 5c; oz. 25c

SPENCER'S SWEET PEAS

| | |
|------------------------------------|-------------------|
| Warrior, deep maroon..... | Pkt. 10c; oz. 30c |
| Sybil Henshaw, scarlet..... | Pkt. 10c; oz. 30c |
| Ivory Picture, ivory cream..... | Pkt. 10c; oz. 30c |
| Hercules, rose pink..... | Pkt. 10c; oz. 30c |
| Avalanche, large pure white | Pkt. 10c; oz. 30c |
| Blue Bird, clear blue..... | Pkt. 10c; oz. 30c |
| Power's Court, lavender..... | Pkt. 10c; oz. 30c |
| Golden Glory, glowing orange | Pkt. 10c; oz. 30c |
| Mixed Spencers | Pkt. 10c; oz. 30c |

GIANT ORCHID FLOWERING OR SPENCER MIXTURE

Spencer varieties of sweet peas have come into general favor so rapidly that the demand has been large for all Spencer sorts in mixture. We have included in this combination nearly all of the Spencers, making it a rare and lasting pleasure to the grower. The vines are strong, healthy and vigorous in growth and produce a wonderful profusion, long and strong stemmed flowers of great beauty, size, perfect form and coloring. Those preferring to grow all sorts together, rather than separate colors, will find this unsurpassed.

Pkt. 10c; oz. 20c; ¼ lb. 70c; 1 lb. \$2.50.

SCABIOSA, MORNING BRIDE

One of our handsomest Summer flowers. The beautiful double flowers are produced in a great variety of colors. Excellent as cut flowers, lasting nearly a week after being cut. Pkt. 5c

STOCKS

Stocks are among the most popular half-hardy plants for bedding, edging, pot culture and cut flowers. For brilliancy, diversity of colors, fragrance and profusion and duration of bloom they are unsurpassed. The Ten Weeks Stock are annuals, and from seed started indoors in March or April blooms will be had in July. Pkt. 10c

June 10th to early July. After soaking the seed 24 hours, sow the fine sorts in rows, 3 inches apart, on the surface of sand or well sifted soil, and press down with a board. Large seeds may be covered to twice their thickness. The bed must be kept shaded constantly with a screen made as follows: Nail common laths 2 inches apart on end strips. Place the screen over the bed on 4 bricks set endwise. Water as required; when seedlings have two pairs of leaves, transplant into rows a few inches apart each way, and later, when they begin to crowd, transplant a second time. This involves extra work, but it is necessary to raise sturdy plants. Keep them shaded with the screens all Summer. In September, if well developed, they may be placed in their permanent locations where they are to blossom the following year, or left in the seed beds for early Spring transplanting. After the ground freezes hard, cover with evergreen or other branches and a few inches of straw or leaves loosely piled on top. In late March remove one-half the top mulch and loosen up the rest, to admit air. Take off the remainder gradually, as the season advances.

AQUILEGIA, COLUMBINE

Charming, hardy perennial plants growing from one to three feet high, bearing in countless numbers through May and June their exquisite blossoms of clear blue, white, rose, yellow, purple, striped, etc. For planting in permanent borders or naturalizing along the edges of woods or shrubbery they are unsurpassed. Pkt. 15c

Northrup King & Co., Double. All colors mixed. Pkt. 15c

California Hybrids. Exquisite flowers, in yellow and orange shades, all with long spurs. Pkt. 15c

ANTHEMIS TINCTORIA, HARDY MARGUERITE

A native of England, grows about a foot high, bearing in profusion, daisy-shaped, yellow flowers which come in July and August. Pkt. 15c

AGOSTEMMA, ROSE OF HEAVEN

An attractive free-blooming, hardy perennial, of easy culture, producing bright colored flowers on long, slender stems. Blooms first season, fine for cutting. 2 feet. Pkt. 15c

ANEMONE, WINDFLOWER

A very pleasing, hardy perennial, producing large flowers; few plants compare with them in beauty; fine for bouquets. Especially good for rock work and sheltered banks. They need extra good Winter protection. Mixed colors. Pkt. 15c

ANCHUSA, ITALIAN DROP MORE VARIETY

Blue, large, forget-me-not-like flowers. Very fine for the back of the perennial border or for a screen. Five feet high. Pkt. 15c

ARCHILLA, DOUBLE WHITE YARROW

One of the best hardy white perennials. Grows about two feet high and from Spring until frost is covered with heads of purest white, double flowers. Pkt. 15c

ALYSSUM SAXATILE COMPACTUM

Has handsome masses of bright yellow flowers. Fine for borders. Pkt. 15c

ARABS ALPINA

A low early blooming perennial with white, fragrant flowers. For rock work, borders or covering steep banks. Pkt. 15c

BELLIS—ENGLISH DAISY

Daisies are easily raised from Spring sown seed, and come into flower in a very short time. They thrive best in cool, shady places, but do well in almost any soil. They are very pretty when in bloom and deserve to be grown more universally than they are. Admirably adapted for edgings, borders and low beds; 6 to 8 in. Double mixed, embracing all colors. Pkt. 15c

BOLTONIA—FALSE CHAMOMLIE

One of the showiest of our native hardy perennials, growing 4 to 6 feet high, with daisy-like flowers in countless thousands from July to September.

Asteroides, white Pkt. 15c
Latisquama, lilic pink Pkt. 15c

CAMPANULA—BELLFLOWER

Beautiful, hardy, herbaceous perennials, bearing a great profusion of attractive bellflowers; thrive best in light soil. They will continue to bloom for weeks if given a partially shaded location.

C. carpatica. Very charming plant six to eight inches high, deep blue flowers. Pkt. 15c

CANTERBURY BELLS—CAMONULA CALYCANTHEMA

Cup and Saucer. Produces beautiful single flowers three inches in length with saucers three to four inches in diameter. The plants form pyramids of bloom bearing from 100 to 200 of these exquisite blossoms for weeks during the early Summer. A hardy biennial 2½ feet high, flowering the second season from seed. Mixed, all colors. Pkt. 15c

COREOPSIS

C. Lancelata Grandiflora. A hardy perennial about two feet high. This produces an abundance of large, daisy-shaped flowers on long stems. One of the best of all perennials for cut flowers. Pkt. 15c

CANTERBURY BELLS—CAMPANULA MEDIUM

The old-fashioned variety which produces large, bell-shaped flowers. Popular and beautiful are Campanulas. Although the Canterbury Bells are biennials, they may also be treated as annuals, and will flower the first year from seed, if sown early in the Spring.

| | |
|--------------------------------|----------|
| Dark blue | Pkt. 15c |
| Rose | Pkt. 15c |
| Single mixed, all colors | Pkt. 15c |
| Double mixed, all colors | Pkt. 15c |

GAILARDIA

Blanket Flower. A very free blossoming perennial bearing large yellow or red daisy-shaped flowers all through the Summer. Easy to grow. Fine for cutting; two feet. Mixed colors. Pkt. 15c

CARNATION HARDY BORDER

Carnations are general favorites for their delicious fragrance and richness of colors. They are indispensable, both for greenhouse culture in Winter and for the garden in Summer. The Marguerite and Chabaud types are the best for Summer flowering.

Double mixed. A good hearty strain for outdoor culture, flowering the second season and producing a mass of flowers in a great variety of colors. $\frac{1}{8}$ oz. 50c; Pkt. 15c

CHRYSANthemUM

C. Maximum. Ox Eye Daisy. Flowers like the wild white Daisy, but twice as large. Handsome when in flower and the flowers have good stems for cutting. Hardy and easily grown in full sun.

Pkt. 15c

Shasta Daisies. Alaska. An excellent hardy perennial variety. Flowers 4 to 5 inches across, of the purest glistening white, with broad overlapping petals and borne on strong stems; a beautiful cut flower, remaining in good condition a week or more. $\frac{1}{4}$ oz. 75c; Pkt. 25c

DELPHINIUM—HARD LARKSPUR

Few plants are so handsome as the perennial Larkspurs. The most important are the tall hybrids, varying from 1 to 6 feet, and from the palest lavender through every conceivable shade of blue to deep indigo.

GOLD MEDAL HYBRIDS

Height 6 feet. Unquestionably the finest strain of mixed hybrids offered. Large flowers on spikes two feet and over, the majority running in the lighter shades of blue. Mixed colors. Pkt. 15c

BELLADONNA (Light Blue)

Two feet; flowers exquisite shade of turquoise blue. Pkt. 25c

Double Hybrids. Finest double flowering mixed in great variety of charming colors. Pkt. 15c

LUPINUS POLYPHYLLUS—LUPINE

This will be found a great acquisition to any garden. It forms dense bushes about 4 feet high, of elegant spikes completely clothed to the ground with snowy-white and deepest sea blue flowers. Mixed.

Pkt. 15c

DIANTHUS — HARDY GARDEN PINKS

These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor, popularly known as "Sweet May Pinks" of the old time gardens, and still considered among the most beautiful for massing and cutting.

Plumarius. (Grass Pink, or Pheasant-eye Pink). Single, with fringed edged flowers of various colors. Pkt. 15c

Plumarius FI.-PI. (Double Hardy Garden Pinks.) Double and semi-double varieties in beautiful colors. Pkt. 15c

Plumarius Semperflorens. (Everblooming Hardy Garden Pink.) Very beautiful, sweet-scented, double, semi-double and single flowers in great diversity of color.

Pkt. 15c

Dianthus Latifolius Atrococcineus FI.-PI. (Everblooming Hybrid Sweet William.) A cross between an annual Dianthus and Sweet William, combining the free and continuous blooming qualities of the former with the hardiness of the latter; in color and intense velvety crimson scarlet. Pkt. 15c

SCABIOSA CAUCASCA

While resembling the shape of the annual Scabiosa, this hardy variety bears large blossoms of a delicate lilac blue shade. The plants will grow about 2 feet high, blooming from July until frost. A fine plant for borders or cut flowers.

Pkt. 15c

HIBISCUS. NEW GIANT FLOWERING MARSHMALLOW

Wonderfully improved form of our greatly admired native Marshmallow, in which flowers of great size—frequently 10 to 12 inches in diameter—have been developed. The colorings comprise rich, deep red, soft pink and pure white. Plants grow 5 to 8 feet high. Blossom from July to late Autumn. Pkt. 15c

PENTSTEMON—BEARD TONGUE

Attractive plants, much used in the hardy border. The bushes are pyramidal, 2 to 3 feet high, with erect branches thickly set with flowers $1\frac{1}{2}$ inches long, varying in all shades from rosy-white to purple with white or veined throats. Mixed colors. Pkt. 15c

Mixed. A mixture of blue, rose and white-flowered varieties. Pkt. 15c

GYPHOPHILA PANICULATA

Baby's Breath. Bridal Veil. The plants are small, starlike and borne in feathery sprays, which are highly esteemed for cut flowers as they lend a most graceful effect when combined in bouquets. This pleasing flower should be in every garden, for it is almost indispensable in the arrangement of flowers, either in vase or bouquet work.

Pkt. 15c

PERENNIAL POPPIES

These hardy varieties are very beautiful, blooming from June to frost.

Iceland Poppy. Similar to the annual Shirley Poppy, but in addition to the white, red and pink shades of the latter, the Iceland Poppy is often a fine yellow or orange color.

Pkt. 15c

Oriente. (The Large Oriental Poppy.)

A charming Summer flowering, hardy plant, producing numerous leafy stems about 2½ feet high, with large deep crimson flowers, having a conspicuous black blotch on each petal; exceedingly showy.

Pkt. 15c

Oriental Poppy Mixed Hybrids. One of the most gorgeous of all perennials, producing in June and July its enormous blossoms, often 6 inches in diameter. The colors range from soft bluish and rose to flaming scarlet and richest maroon. The flower stems are long and heavy, bending gracefully under the weight of the blossoms. The culture is simple. The plants are at their best when about 3 years old. Often one specimen will show 10 or 15 blooms. All colors mixed.

Pkt. 15c

TRITOMA—RED HOT POKER

Although these are hardy plants, many will flower the first year if the seed is sown early. They grow about 3 feet high and bear in August blazing, orange-red spikes, blooming until frost. Very effective for cut flowers.

Pkt. 15c

All the roots offered in this catalogue will be supplied in dormant field-grown roots or in strong divisions of such roots of proper planting size.

DAHLIAS

Postpaid, 50c each

Earl Williams—Red and white striped, decorative.

D. M. Moore—Dark red, almost black, decorative.

Judge Marean—Salmon pink, shaded lighter in center, decorative.

Jersey Beauty—Salmon pink, decorative.

Le Grand Manitou—Purple and white striped, decorative.

Our Country—Purple with white tip on petals.

DIGITALIS—FOXGLOVE

A very interesting family of old fashioned plants, whose culture is so simple as to bring them within the reach of all.

D. purpurea, var. glorioioides. This has a very great variety of colors, but as it is difficult to keep them true when growing separately, we offer it only in a mixture. Everyone should plant this strain. It grows in strong clumps and is one of our very finest hardy perennials.

Pkt. 15c

CHATER'S DOUBLE HOLLYHOCKS

The Chater's produce for the most part flowers which are densely double, although occasionally some single blossoms are seen among them. The colors are innumerable, ranging from pure white to darkest maroon; some are bright and gay, others of the softest and most delicate shades and tints. The stalks average about 4 feet in height, but many are 6 and even 8 feet high. These stalks are densely covered with blossoms as beautiful in texture and appearance as the Rose.

Extra choice double mixed. Pkt. 15c

GEUM

Flowers are large, buttercup shaped, borne in profusion; lasting well when cut, they are fine for bouquets.

G. Double Scarlet. Large flowers, fine color, 2 feet. Pkt. 15c

G. Single Orange Scarlet. Pkt. 15c

WALLFLOWER

Half hardy perennials bearing dainty, yellowish, red or orange flowers, which have a delicious fragrance. These new, early flowering varieties may be treated as annual, and if sown in heat during February or March the plants will bloom freely through the Summer and Autumn. Excellent for forcing. Height 2 feet.

Single mixed, all colors. Pkt. 15c

Double mixed Pkt. 15c

BULBS

Rodman Wanamaker—Light salmon, yellow center.

Patrick O'Mara—Orange, decorative.

Amurna—Bronze, decorative.

Doazon—Dark red, decorative.

Millionaire—Lavender, decorative.

Ethel F. T. Smith—White shaded to yellow, cactus.

Washington City—White, cactus hybrid.

Insulinda—Orange shaded to cream, cactus hybrid.

F. W. Fellows—Salmon pink, shaded to yellow cactus.

Minnie Vosberg—White, giant show.

Copper King—Copper, giant show.

Dreamlight—Coral pink, peony.

GLADIOLI

All Gladioli can be furnished in straight colors or mixed at dozen rate, postage prepaid. No. 1 bulbs, each 10c; doz. \$1.00. No. 2 bulbs, each 6c; doz. 60c. No. 3 bulbs, blooming size, each 3c; doz. 30c.

Mrs. Frank Pendleton—Salmon pink, red throat.

Alice Tiplady—Apricot.

Le Marshal Foch—Light pink.

Red Emperor—Very dark red.

Independence—Coral pink.

Gov. Hanley—Light red.

Gen. Pershing—Salmon pink, shaded to red.

Prince of Wales—Salmon pink, cream throat.

CANNAS

Dry Roots, each 20c; 2 for 35c

President—Medium red.

Red Humbert—Tall, red foliage.

Yellow Humbert—Tall yellow spotted red.

Wyoming—Red foliage, dwarf.

Iris—Some very choice Iris. All bulbs 15c each. \$1.50 per doz.

Blue, yellow and purple, yellow shaded to pink, lavender, light purple, yellow and brown.

PERENNIAL PLANTS

All Perennials are two years old, field grown plants.

Postpaid.

Giant Shirley Digitalis—Fox Glove, mixed colors. Each 25c; 3 for 65c

Canterbury Bells—Mixed colors.

Each 15c; 3 for 35c

Pyrethrum Daisies—Painted Daisy, mixed colors. Each 25c; 3 for 65c

Phlox—Red, white and pink.

Each 15c; 3 for 35c

Statice—Sea lavender, blue. Each 35c

Geum—Double scarlet.

Each 25c; 3 for 65c

Gypsophila—Large plants. Each 35c

Hardy Chrysanthemums—Red, yellow, white, and bonze. Each 25c; 3 for 65c

Shasta Daisies—Large, white.

Each 15c; 3 for 35c

Oriental Poppies—Pink and crimson.

Each 25c; 3 for 65c

Delphinium—Dark and light blue.

Each 25c; 3 for 65c

Bleeding Heart—Large roots. Each 75c

Tritoma—Red Hot Poker, orange red.

Each 35c

Anchusa—Large blue flowers.

Each 25c; 3 for 65c

Columbine—Long spurred hybrids.

Each 25c; 3 for 65c

Sweet Williams—Mixed colors.

Each 15c; 3 for 35c

Gaillardia—Red and yellow.

Each 15c; 3 for 35c

Snapdragons—Mixed colors, two-year-old plants. Each 25c; 3 for 65c

Pansies—Mixed colors. Doz. 60c

Bellis Daisies—Mixed colors. Doz. 65c

Penstemon—Bearded Tongue, mixed colors. Each 15c; 3 for 35c

Coreopsis—Large yellow.

Each 15c; 3 for 35c

Carnation—Hardy, mixed colors.

Each 25c; 3 for 65c

Chinese Lanterns. Each 30c; 3 for 80c

VEGETABLE PLANTS

We are prepared to furnish plants, in any quantity, of the varieties described below, all Idaho grown, especially for us. The plants are grown from select seed and you can depend on the plants being true to name. We exercise great care to produce strong, vigorous plants and see that they are packed properly for transportation. We advise sending by express, and the following prices DO NOT INCLUDE POSTAGE. If wanted by mail, add 8c per dozen, or 30c per 100, postage. Write for quantity price.

TRANSPLANTED PLANTS

EARLY CABBAGE—Jersey Wakefield, All Head.....Doz. 20c; 100 \$1.25

TOMATOES—Special Earliana, Chalk's Early Jewel, John Baer,

Mariglobe, Red Head, Early Ponderosa, Ponderosa, Red River

one of the earliest.....

Doz. 25c; 100 \$1.50

CAULIFLOWER—Early Snowball.....

Doz. 25c; 100 \$1.50

PEPPERS—Chinese Giant, Sweet Spanish, Pimento.....

Doz. 25c; 100 \$1.50

EGG PLANT—New York Improved.....

Doz. 25c; 100 \$1.50

EARLY CELERY—White Plume, Golden Self Blanching.....

Doz. 20c; 100 \$1.25

FROM SEED BED

LATE CELERY (from seed bed)—Giant Pascal, Golden Self Blanching.....

Doz. 20c; 100 \$1.25

LATE CABBAGE.....

Doz. 20c; 100 \$1.00

Write for Quantity Prices

PROGRESSIVE EVERBEARING STRAWBERRY PLANTS

Kellogg Strain

Rich red color, firm berry, and of delicious flavor. 25 plants postpaid, 50c; 100 plants postpaid, \$1.50. By express, \$15.00 per thousand.

SEED POTATOES

We carry Netted Gems, Early Ohio, Idaho Rural and Bliss Triumph potatoes. This seed is all grown on dry land and is good, clean stock. Write for prices.

Postage at the rate of 7c per pound must be added for the first pound, and 1c additional pound, if wanted by mail.

SELECTED SEED FIELD CORN

Prices Subject to Change Without Notice. Write for quantity price. Price as quoted below will be for shelled corn only. F. O. B. Boise.

Farm and Field Seed Department

IDAHO YELLOW DENT

Our Idaho Yellow Dent is particularly adapted to this climate. Our seed is pure and grown especially for us. We recommend growing this corn for silage, as the stalks grow to a height of from 10 to 12 feet, producing solid ears of corn that will average 9 inches in length; 7 to 8 pounds of this corn will plant one acre. 1 lb. 10c; 12 lbs. \$1.00. Write for price.

SILVER MINE (Dent)

We have had splendid success with this new variety of white Dent corn. Stalks growing from 8 to 12 feet. Ears running from 10 to 12 inches long. A splendid variety for ensilage. Has fully matured for the past four years. This corn is worthy a trial. 1 lb. 10c; 12 lbs. \$1.00. Write for quantity price.

WHEAT, OATS, RYE, BARLEY, CLOVER

FEDERATION—Spring Wheat

It is a hard flint wheat. The government test proves it to be high in gluten, and high in yield of flour, making it one of the best milling wheats. Beardless and a heavy producer, and should be an excellent variety for the Northwest. We highly recommend it. 100 lbs. \$2.50. Write for quantity prices.

SWEDISH SELECT SEED OATS

For 15 years Swedish Select Oats have never failed to produce a record crop; not small patches under favorable conditions, but big average yields throughout large fields, such as the Polk County record of 135 bushels per acre.

SHADELAND ECLIPSE

Eclipse is generally classed as a Spring oat and is one of the best white side oats grown. Eclipse is enormously productive, early, very vigorous, and produces massive heads filled with medium size plump grains. Write for quantity prices.

POPCORN

Plant at least a few rows for the children. They and the grown folks also will enjoy popcorn in the long winter evenings.

WHITE RICE

A very handsome variety, very prolific. Price, lb. 20c, postpaid.

JAP HULLESS

Short ears and small grains which pop to a good size. The corn popped is deliciously tender, and when you have once eaten this corn you will not want to go back to the other varieties again.

This corn always brings a premium on the market. Price, lb. 20c, postpaid.

IDAMINE

These oats are very handsome and heavy white oats of great productiveness, and have become very popular. They do very well on ordinary soil. On rich, heavy land they grow so rank, the straw not being large in proportion to their weight, that they are inclined to lodge. Large yields have been reported for this oat. 100 lbs. \$2.65. Write for quantity prices.

WHITE HULLESS BARLEY

It is not a malting variety, but for feeding purposes there is no barley raised which can compare with it in earliness, yield and quality. While it has sufficient hull to hold it in the head, these hulls are readily separated in threshing. The absence of beards makes it safe to feed to all kinds of stock. Its earliness is a characteristic which is especially desirable. It will mature in from 60 to 90 days, according to soil and localitv. 100 lbs. \$3.25.

COMMON RYE

Planted extensively in both Spring and Fall. 100 lbs. \$2.25. Write for quantity prices.

TREBI BARLEY

One of the heaviest producers and surest crops for this section of the country. 100 lbs. \$2.50. Write for quantity prices.

TIMOTHY

As a crop for hay, timothy is probably unsurpassed by any other grass. It is greatly relished by all kinds of stock, especially horses. It yields more nutritive matter than any other grass or forage plant. It is not suited for a permanent pasture, as it will in course of a few years run out. It is, however, well adapted to early Spring grazing, as it starts up quickly in the Spring, and in favorable Fall weather can be pastured in the Autumn as well. 1 lb. 15c; 100 lbs. \$10.00.

MAMMOTH RUSSIAN SUNFLOWER

The largest and most productive variety. It makes one of the best of foods for poultry; a great egg producer. Postpaid, lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.80. Write for quantity prices.

WHITE DUTCH CLOVER**Trifolium Repense**

Excellent for pasture, and when mixed with Kentucky Blue Grass makes the finest and most nutritious food for sheep and cows. Used universally for lawns in most of the United States. Sow for pasture 5 to 8 lbs. to the acre. 1 lb. fancy, 50c; choice, 30c to 40c. Write for quantity prices.

MEDIUM RED CLOVER

This is regarded as the most valuable of the clover family. It is sometimes called June clover and is a dependable all-around variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It may be sown either in the Spring or Fall, and if no other grasses are used, at the rate of from 8 to 12 pounds to the acre, according to quality of seed used and condition of the soil. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. 1 lb. 30c; 100 lbs. \$25. Write for quantity prices.

ALSIKE OR SWEDISH CLOVER

This is one of the hardiest varieties known. It is perennial and does not winter kill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red clover and with timothy, and the quality of hay thus produced is excellent. Finer and more leafy than Medium Red clover and cattle prefer it. 1 lb. 30c; 100 lbs. \$25.00. Write for quantity prices.

KENTUCKY BLUE GRASS

This makes the best, sweetest and most nutritious pasture for all kinds of stock. It is very hardy and is uninjured by cold or dry weather, hot sun or tramping hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires two years to get well started and for that reason is often sown in mixture with other grasses. From 20 to 25 pounds to the acre. 1 lb. No. 21 lb. seed. 40c; 100 lbs. \$32.00. Write for quantity prices.

RED TOP (Solid Seed)

A valuable grass for moist, rich soils, where it thrives very luxuriantly. It is a good variety to sow with timothy and clover for meadow and pasture and is more permanent than either of the other two. It should be fed close. If it is allowed to grow up to seed, the cattle dislike it. 10 lbs. to the acre. 1 lb. 30c; 100 lbs. \$27.00. Write for quantity prices.

CANADIAN BLUE GRASS**Pea Compress**

Produces a fine foliage of dark green color and is more hardy than Kentucky Blue Grass. It is especially adapted to light, poor, dry soils, and makes very satisfactory lawns. It has somewhat of a creeping habit and does not need to be clipped as often as Kentucky Blue Grass. 1 lb. 35c; 100 lbs. \$33.00. Write for quantity prices.

IDAHO GROWN ALFALFA

A very popular variety. Ten to 12 pounds are usually sown to an acre. Write for quantity prices.

DRY LAND ALFALFA

The extension of alfalfa growing into the regions of limited rainfall has created a demand for alfalfa seed especially adapted to those conditions. Seed which has been produced from alfalfa grown on dry land and without irrigation is, of course, much preferable for dry land culture to seed produced under irrigation or normal rainfall. 1 lb. 30c. Write for quantity prices.

CERTIFIED GRIMM ALFALFA**Blue Tag**

Highly recommended by the government and state experiment stations as being one of the hardest known strains of alfalfa. Usually there is not enough seed to meet the demand and the price is high. 1 lb. 50c. Write for quantity prices.

SUDAN GRASS

An annual plant of the sorghum family that has been successfully used for hay and silage. It is drought resisting and produces a good yield of fine stemmed feed. 1 lb. 20c. Write for quantity prices.

ORCHARD GRASS

A valuable grass for pasture or hay land. It furnishes the first green grass in the Spring and until late in the Fall. When closely cropped it grows up very quickly and is ready for grazing again in 10 to 12 days. It will stand drought and is hardy. It grows in tufts, and is therefore best sown with Red Clover, rye grass, etc. It is well suited for shady places. Sow 22 pounds to the acre. 1 lb. 30c; 100 lbs. \$27.00. Write for quantity prices.

WESTERN RYE GRASS

(*Appopyrum Tenerum*.) (Sometimes called Slender Wheat Grass.) It affords excellent pasturage and provides large quantities of hay. It thrives on all soils, but is peculiarly adapted to prairie soils. It gives good returns on land quite strongly impregnated with alkali and fits it so that grain may be sown successfully.

When sown alone as the common practice, the seed should be put in from one to three inches deep, according to soil and season, 15 pounds to the acre. If with *Bromus Inermis*, 7½ pounds each. 1 lb. 20c. Write for quantity prices.

EARLY FORTUNE MILLET

A most promising variety, of which astonishing yields are reported. It is very early, and is claimed to be rust proof, and that chinch bugs will not eat the plant. The seed is very beautiful and distinguished in appearance and is of a beautiful red color. The seed is two or three times the size of German Millet. This variety heads in from 25 to 35 days. It gives a large yield both of seed and fodder. It can be fed to horses and other stock without injury, even when cut so late that the seed has formed. The seeds are smooth, the heads are branching and in other respects this variety is similar to Hog Millet except for the color of the seed. 1 lb. 10c.

GERMAN MILLET**True Southern Grown Seed**

Millet seed produced in the North, even from Southern seed, becomes what we call Common Millet. Not only does the plant change in character, becoming coarser and much more dwarf, but the seed itself shows a change, and is readily distinguished by those experienced in handling.

German Millet is very sweet, palatable, and when fed to dairy cows produces a large amount of milk. On good, rich soil it grows four to five feet high. It is very tender if cut at the right stage, which is when it is in full bloom. About three-fourths of a bushel of seed is sown to the acre. A good yield is from three to five tons of hay to the acre. 1 lb. 10c. Write for quantity prices.

BROMUS INERMIS

Drought defying, frost resisting. Yields enormous crops of splendid hay and affords early and abundant pasturage. It starts from two to three weeks earlier in the Spring than native prairie grass and it keeps green in the Autumn longer than any of the useful grasses grown in the West. No amount of cold seems to be able to kill it. It bears up well under hot Summer suns. It will grow under conditions that are very dry, and it can also stand being covered with water, not deep, of course, for one or two weeks in the early Spring.

This grass may be sown at any time of the year when the ground is bare, but the best season is in the Spring, and with or without a nurse crop. Fifteen pounds of good *Bromus Inermis* an acre is sufficient. Ask for prices. 1 lb. 30c; 100 lbs. \$25.00. Write for quantity prices.

MANITOBA OR HOG MILLET

The seed is very rich and thus especially valuable as a hog feed. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green; thus if cut promptly can be threshed for the seed, while the hay, after being threshed, will make excellent fodder. Sow same as other millet. 1 lb. 10c. Write for quantity prices.

CANADIAN FIELD PEAS, GREEN

Height of vine 3½ to 4 feet. Of the same general character as Canada Yellow Peas. Used for the same purposes, but the seed is green instead of yellow. 1 lb. 10c; 100 lbs. \$5.75. Write for quantity prices.

FETERITA

This is the most recent of non-sacharine sorghums to command the attention of "dry farmers" on account of its wonderful yield and drought resistant qualities, being 20 to 40 days earlier than Kaffir corn, and has given immense crops in the driest seasons without having received a drop of rain. Makes splendid fodder as well as giving a good grain yield. Try Feterita. 1 lb. 15c. Write for quantity prices.

DWARF ESSEX RAPE

It is an annual, bearing a close resemblance in leaf and stalk to the Ruta Baga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off of by any kind of livestock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine.

A good crop will furnish at least 12 tons of green food an acre. 1 lb. 15c.

PEANUTS

The peanut is grown in this locality and does well if properly taken care of. Should be planted about April 15th and may be in hills about 3 feet apart each way. Seed may be hulled or in pod. Per lb. 30c, post-paid.

EARLY AMBER CANE

Furnishes a large yield of most nutritive forage, which can be fed either green or cured and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 60 pounds per acre. When sown in drills, sow at the rate of 10 pounds per acre in drills 3½ to 3 feet apart. 1 lb. 10c.

EGYPTIAN CORN

1 lb. 15c

Also Called Jerusalem Corn or Dhoura.

SPECIAL PASTURE MIXTURES

Recommended by

UNIVERSITY OF IDAHO

AGRICULTURAL EXPERIMENT

STATION

Gooding Sub-Station

The most satisfactory mixture for ordinary conditions such as exist at the station farm is as follows:

| | |
|--------------------------|-----------|
| Orchard grass..... | 5 pounds |
| Smooth Brome grass..... | 5 pounds |
| Kentucky Blue Grass..... | 4 pounds |
| Meadow Fescue..... | 4 pounds |
| Timothy..... | 4 pounds |
| Alsike Clover..... | 2 pounds |
| Total..... | 24 pounds |

The following mixture is simpler and has given very satisfactory results:

| | |
|-------------------------|-----------|
| Orchard grass..... | 8 pounds |
| Smooth Brome grass..... | 8 pounds |
| Timothy..... | 4 pounds |
| Alsike Clover..... | 2 pounds |
| Total..... | 22 pounds |

For the low, poorly drained lands the following mixture is desirable:

| | |
|--------------------|-----------|
| Red Top..... | 8 pounds |
| Timothy..... | 6 pounds |
| Meadow Fescue..... | 4 pounds |
| Alsike Clover..... | 2 pounds |
| Total..... | 20 pounds |

For high lands that are apt to be dry this mixture is recommended:

| | |
|-------------------------|-----------|
| Smooth Brome grass..... | 12 pounds |
| Orchard grass..... | 8 pounds |
| Total..... | 20 pounds |

BLUE VITRIOL

Used for treating smut on grain, and also is used for treating hoof-rot in sheep. 1 lb. 15c; 5 lbs. 65c; 100 lbs. \$11.00. Not mailable.

FORMALDEHYDE

For the prevention of smut on grain; it is easy to apply. One bottle, diluted with 40 to 50 gallons of water, is sufficient to treat thoroughly 30 bushels of wheat or barley for smut; 40 bushels of oats for smut; or 60 bushels of flax for wilt. 1 pint, 50c; 1 quart, \$1.00. Not mailable.

SEMESAN

Is a most effective modern weapon against scab, black scurf, blackleg, and similar potato diseases; as well as smut in wheat and other cereals. It is a positive preventive of "brown patch," which destroys the turf of golf greens, tennis courts, parks, etc. Price, 2 ozs. 60c; 4 ozs. \$1.00; 8 ozs. \$1.60; 1b. \$2.75; 5 lbs. \$3.00. Not mailable.

Directions: Dry treatment, use two ounces to each bushel of seed to be treated; liquid treatment, dissolve one ounce to three gallons of water

STANLEY'S CROW REPELLENT

It rids your Corn Crop of Crows and other corn-pulling birds, and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.

Saves loss of seed and labor of replanting.

Positively will not clog any planter.

Aids and hastens germination of seed corn.

Protects seed from rotting in the ground.

Insures larger yield per acre.

Is non-poisonous and will not injure the seed.

Will not kill birds or animals, but will keep them away and prevent destruction by them.

Has been used successfully by experienced corn growers for over ten years.

Small can, bushel, \$1.00; large can, enough for 2 bushels, \$1.50.

COAL BROODERS, F. O. B. BOISE

| | | | |
|-------------------------------|---------|---------------------|-------------------|
| 500 Chick Size | \$17.75 | THERMOMETERS | |
| 1000 Chick Size | 23.00 | | |
| 1200 Chick Size | 29.00 | Incubators | \$1.00 and \$1.25 |
| 75 Chick Size, Electric | 9.00 | Brooder | .65 and .75 |

POULTRY FEED

There are three great essentials to success in the poultry business, STOCK, CARE, FEED. We can supply good stock, cannot give them care, but we can and are supplying THE BEST IN FEED.

PRICES on all poultry feed subject to change.

INTRODUCTION AND FOREWORD

We are not only pleased, but also very happy to inform our hundreds of customers that we are now featuring "Feed-Lot Tester" and certified CERETANA POULTRY, DAIRY and STOCK FEEDS.

Our decision to feature CERETANA PRODUCTS is the result of a searching investigation we have conducted to determine to our complete satisfaction the quality, uniformity, milling facilities, and performance records of the Ceretana line.

We have done this, recognizing our responsibility to protect our customers, and to serve them by handling the highest quality merchandise.

The baby chicks first feed. A guaranteed, honest product, FEED-LOT TESTED, that will raise all livable chicks. Contains a substantial amount of powdered buttermilk, oatmeal, yellow corn meal, bone meal, a balanced mineral content, and a variety of essential ingredients of the highest quality.

CERETANA BUTTERMILK STARTING MASH

is very low in fibre. The protein and carbohydrate content are from sources which supply growth that must be rapid and constant. Chicks fed the "Ceretana Way" attain maximum development of the frame—structure, without which the birds cannot mature into strong, vigorous and profitable layers.

Ceretana Buttermilk Starting Mash is with and without Cod Liver Oil.

Feed when chicks are 48 to 60 hours old. At first it is well to sprinkle a little Ceretana on paper and attract birds to the feed. Later feed the mash (always dry) in low boxes troughs, or feeders, and keep before the chicks at all times.

Ask for FREE feeding circular.

CERETANA BUTTERMILK TURKEY STARTING MASH

For baby TURKEYS you will discover in CERETANA BUTTERMILK TURKEY STARTER a product especially

compounded for Northwest conditions. The formula is much the same as CERETANA BUTTERMILK STARTING MASH for chicks excepting that a liberal amount of small tender flaked rolled oats (table grade) has been added, along with a proper mineral content so essential in the early development of the turkey to eliminate crooked breast bone. Market turkeys fed the "CERETANA WAY" straight through grade top market prices.

We also have Ceretana Turkey Finishing Mash, Ceretana Buttermilk Laying Mash, Growing Mash, Farm Dandy Laying Mash, High Power Poultry Fattener, Economy Milk Dairy Ration, Economy Farm Feed, Economy Farm All-Purpose Feed, Ceretana Calf Meal, and every kind of feed for the Cow, Turkey and Chicken. Write for price.

Write for feed instructions.

MONTANA FLOUR MILLS CO., GREAT FALLS, MONT.



SUNSET CHICK SCRATCH FOOD

For chicks three weeks old and over. Like our other Sunset feeds, this mixture embraces a fine combination of seeds, millet and grains. It gives the chicks quick growth and tends to keep them in good health. To properly develop the chicks, either for the market or to become a producer of eggs, they must be fed such food as will promote growth quickly and uniformly. Write for prices.

SUNSET EGG MASH

Makes hens lay when eggs are high; keeps poultry healthy.

A complete ground food to be fed wet or dry. Starts hens laying and keeps them at it. Hastens moulting. Puts poultry in prime condition. Makes young fowls grow fast. Write for prices.

MEAT SCRAPS

Meat scraps are rich in protein, the material which makes muscle and lean meat. Contain 50 per cent protein. 100 lbs. \$5.25.

SAV-TH-TURK

The Germicide (Kills Germs)
and Tonic (Alters Conditions)

For blackhead, indigestion, cholera, roup, white diarrhea and weak, lifeless conditions and all common trouble among poultry. Prices \$1.50 and \$5.00, postage extra.

MEAT MEAL

Very rich in protein. It should be mixed with the soft food. No hides or tankage in our meat meal, but, as the name implies, meat, cooked, dried and ground; unexcelled for egg production. 100 lbs. \$4.25.

BLOOD MEAL

The most highly concentrated egg producer on the market. To be fed in soft food. Unexcelled forcing growth or as an egg food.

FISH MEAL

A fine - ground, pure, sweet fish meal containing protein—feed as you would meat meal; a rich, wholesome food. Write for prices.

CHARCOAL

Prepared especially for poultry; no dust; a good thing for bowel trouble, sour crop and indigestion. Price, 50-lb. sack, \$2.35.

CRYSTAL GRIT

Two sizes, chick and hen size. We send hen size unless otherwise ordered. Price, \$1.00 per cwt.

EPSOM SALTS

We also carry Epsom Salts as a purgative for poultry. 10c lb.; 2 lbs. 25c; 25 lbs. \$2.00.

POWDERED BUTTERMILK

The pure solid content of the liquid buttermilk, with only the water taken out and nothing else added. It contains all the food elements of the liquid buttermilk, but the process of drying puts it in a convenient form that will keep indefinitely and can be hauled long distances with only moderate freight charges. Can be used just when needed and with no waste from spoilage or shipping.

OYSTER SHELLS, CRUSHED

Clean stock, free from dust and waste. Two sizes; coarse and fine. 100 lbs. \$1.50.

OLD PROCESS OIL MEAL

Aids digestion and assimilation of food. As it contains 33 to 36 per cent of protein, it is combined with brans and other food so as to make a balanced ration. Improves the health, vigor and appearance of poultry. Write for prices. 100 lbs. \$3.75.

COD LIVER OIL

Pure Norwegian Cod Liver Oil for poultry. Takes the place of green feed in Winter. Rich in vitamins. \$1.75 gal., without container; container, 25c extra.

TOBACCO POWDER

It has been found that finely powdered tobacco is a most effective remedy against round worms in poultry. It is uniform in strength and texture and contains not less than one per cent and not more than one and one-half per cent actual nicotine. 15c lb.; 5 lbs. 65c.

FERTILIZER**SULPHATE OF AMMONIA**

Swift's Arcadian Sulphate of Ammonia is the most concentrated nitrogenous top-dressing on the market. Guaranteed 25 per cent ammonia, and containing no borax. It is fine and dry and easily spread by hand or by drill. The crop producing power of the ammonia is equal to that of any fertilizer. Write for price.

NITRATE OF SODA

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. Write for price.

SULPHUR

For lime-sulphur solution, fertilizing and general purposes. Finely powdered and 100 per cent pure. Use sulphur in connection with your fertilizers and make your soil give you the highest possible returns. It is a first-class fertilizer, fungicide and insecticide. \$3.75 cwt.

LIME DUST

Fine ground. This is the form of lime recommended by the Agricultural Department. Use $\frac{1}{2}$ to 1 ton per acre. 100 lbs. \$1.25; ton \$20.00.

GARDEN MORCROP

Garden-MORCROP is a high analysis fertilizer rich in organic matter and is intended for use on flower and vegetable gardens, shrubbery, lawns, window boxes, ferns and potted plants. It contains plenty of plant food to make things grow and enough organic matter to bring about a noticeable improvement in the mechanical condition of the soil, causing it to work easier and retain moisture longer. The nitrogen in Garden-MORCROP by being combined with other essentials is not readily leached from the soil and plants are made much less susceptible to disease and fungous attacks. The plant food in it is properly balanced and is in available form. Its use two or three times each year will greatly increase your gardening pleasure. Garden-MORCROP has about twice the bulk of any other MORCROP or complete fertilizer and is therefore easier and safer to use.

25 lbs. \$2.00; 100 lbs. \$3.50

**SHRIMP MEAL**

An ideal fertilizer for the market garden. It is extensively used by the Chinese gardeners. It only takes a small hand full for each plant. 100 lbs. \$400; ton, \$76.00.



Scores of expert gardeners on fine estates as well as professional landscape architects and thousands of home owners recommend VIGORO. They have found in it an economical, practical and effective way to secure finest results on lawns, gardens, flowers, shrubbery and trees. 5 lbs. 60c; 25 lbs. \$2.00; 50 lbs. \$3.75; 100 lbs. \$6.00.

SPRAYS**EVERGREEN**

A non-poisonous insecticide that is as equally efficient in both the flower and vegetable garden. Destroys a great number of both chewing and sucking insects without danger of burning the plants. 1½-oz. bottle 35c; 6-oz. bottle \$1.00; pint \$2.00; quart \$3.85; gallon \$13.00.

**BLACK LEAF 40
40 Per Cent Nicotine**

Destroys aphids, thrips, leaf hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also apple red bug, pear psylla and similar soft-shelled sucking insects all without injury to foliage. Combines readily with other sprays. 1 oz., 6 gals., spray, 35c; ½ lb., 40 to 120 gals., spray, \$1.25; 2 lbs. \$3.35.

Not mailable.

PARIS GREEN

A poisonous insecticide in powder form, for insects which chew. ¼ lb. 20c; ½ lb. 40c; 1 lb. 60c. Not available.

BORDEAUX MIXTURE

Prevents large losses caused by blight, rot, mildew, scap, anthracnose, and certain other fungus diseases, will stimulate plant growth and greatly increase the harvest. On most trees, shrubs and vegetable plants use 8 level tablespoonfuls to 1 gallon of water. 1 lb. 45c; 5 lbs. \$1.75. Not available.

ARSENATE OF LEAD

(Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. ½ lb. 30c; 1 lb. 45c. Not available.

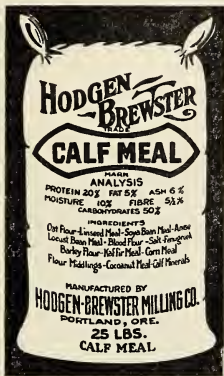
LIME SULPHUR

For dormant spraying in the Fall or early Spring against scale, peach blight, leaf curl and twig borer, use 9 to 11 tablespoonfuls to 1 gallon of water.

For Summer spraying against scab, scot and blotch, red spider and mites, use from 2½ to 3 level tablespoonfuls to 1 gallon of water. 1-lb. can, 40c. Not available.

SECURITY CALF MEAL

This calf meal of milk-equal, when mixed with skim milk or water to the proper consistency, is very similar to milk and contains all the elements of milk—protein, fat, and fiber, moisture and ash in the correct proportions. Every pound makes a gallon of sweet, wholesome milk-equal. It costs less than milk. 1 lb. 25c; 3½ lbs. 75c; 25 lbs. \$4.75; 100 lbs. \$18.00.



HODGEN-BREWSTER NON-SCOURING CALF MEAL

The safest, most economical Calf Ration ever offered the dairyman.

Under normal conditions prevents and eliminates scours.

Promotes and develops Dairy Type Calves.

100 per cent profit feeding Hodgden-Brewster Calf Meal.

Cost of feeding a calf for 6 weeks on whole milk:

450 lbs. whole milk at \$2.50 per 100 lbs. \$11.25

Cost of feeding a calf for 6 weeks on Hodgen-Brewster

Calf Meal, whole milk or skim milk:

120 lbs. whole milk at \$2.50 per 100 lbs. \$3.00

330 lbs. skim milk at 30c per 100 lbs.99

25 lbs. Hodgen-Brewster Calf Meal 1.60

\$5.59 5.59

\$ 5.86

Endorsed and used exclusively by the Carnation Milk Farms of Seattle, where they raise hundreds of calves; please read their letter from A. M. Ghormley, Manager.

Dear Mr. Hodgen:

"Want to advise you that we are obtaining very satisfactory results from the use of your Calf Meal and can highly recommend it to parties using this preparation."

(Signed) A. M. Ghormley.

For extreme cases of calf scours use Hodgen-Brewster Calf Scour Remedy. It will correct the trouble. 1 lb. 75c.

Sold by **CENTRAL COAL & SEED COMPANY**

American Dairy Association Remedies

KOW KARE

Kow Kare (originally Kow Kure) is different from anything ever discovered for cow troubles. It is the only cow medicine that is strictly for cows only. It is not a stock food, but a scientific remedy especially for cow diseases, such as Barrenness, Scours, Milk Fever, Caker, Udder, Bloating, Red Water, Swelling of Bag, etc. It prevents abortion and removes retained afterbirth. It tones up the system, renews vitality, restores appetite to cows that are "off feed," and keeps them healthy. It increases milk flow, and enables the cows to produce strong, vigorous calves. It is the

dairyman's gold mine, and a sure profit payer. Medium cans, mail wt. 2 lbs., price 65c; large cans, mail wt. 4 lbs., \$1.25, postage extra.

BAG BALM

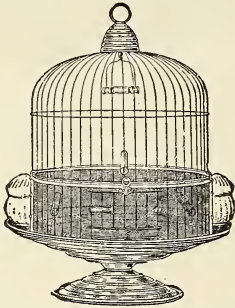
A soothing, penetrating ointment for all affections of the bag. Wt. 8 oz. pkg. 60c; postage extra.

SAV-A-CALF

A Guaranteed Remedy

For shy cows, cows failing to come in heat, retained afterbirth, cows that do not produce as they should, white scours or flu pneumonia among the calves or premature calves (abortion). Prices \$1.50 and \$5.00, postage extra.

BRASS BEE HIVE CAGES Style B Cage



Plain Brass With Stand

| | |
|------------------------|--------|
| 10-in. diameter | \$3.35 |
| 10¾-in. diameter | \$3.60 |
| 11½-in. diameter | \$3.75 |

Style D Cage

Plain Brass, Flat Bottom

| | |
|------------------------|--------|
| 10-in. diameter | \$3.35 |
| 10¾-in. diameter | \$3.60 |
| 11½-in. diameter | \$3.75 |

No. 10

Polished Brass Stand

| | |
|-----------------|--------|
| Half Moon | \$3.80 |
|-----------------|--------|

No. 20

Polished Brass Stand

| | |
|-----------------|--------|
| Full Moon | \$4.25 |
|-----------------|--------|

Brackets 20c; single springs 15c; double springs 25c; opal glass seed cups 15c; Ivory Pyralin seed cups 20c; colored pyralin seed cups 25c; opal bathtubs 20c; 5-in. tassels 25c; 4-in. tassels 15c; perches 10c; cuttlebone holders 10c; wire nests 15c; postage extra.

Try This New Food

SPRATT'S EGG, FRUIT AND SEED CANARY MIXTURE

Totals unlike any other mixture prepared for regular canary feeding, Spratt's Egg, Fruit and Canary Seed Mixture offers the bird a delightful and wholesome change.

The quality of the European Canary Seed, sweet Summer rape and other seeds forming the blend, is unsurpassed and the addition of egg-flake and fruit makes it perfect. Its regular use (alternated occasionally with Spratt's Cod Liver Oil Cage Bird Food) must result in improved beauty, health and song. Pk. 25c.



CAGE BIRDS WANT SPRATT'S

"SING-SONG"

An appetizing food and pick-me-up for all songsters. 15c, postage extra.

Bulk, Mixed Bird Seed, recleaned.

Per lb. 20c; 10 lbs. \$1.75

Canary Seed, recleaned.

Per lb. 20c; 10 lbs. \$1.75

Hemp, recleaned. Per lb. 20c; 10 lbs. \$1.75
Rape, Sweet Summer.

Per lb. 20c; 10 lbs. \$1.75

Millet, recleaned. Per lb. 15c; 10 lbs. \$1.25

Bird Gravel.....Per lb. 10c

Bird Manna.....Per pkg. 15c; per doz. \$1.75

Cuttlebone.....2 for 5c

Bird Tonic.....Each 15c

Spratt's Song Restorer.....Each 25c

Bird Lice Destroyer and Gun, price.....25c

Nestling Food, price.....15c

Coloring Food, package, price.....25c

CLAYTON'S DOG REMEDIES

Send for Clayton's free book full of valuable information to dog owners, and describing the full line of Clayton's Dog Remedies.

For Parcel Post Add Postage to Prices Below:

| | |
|--|-----|
| Clayton's Mange Remedy | 60c |
| Clayton's Laxative Pills | 60c |
| Clayton's Worm Pills | 60c |
| Clayton's Kilflea Soap | 25c |
| Clayton's Kilflea Powder..... | 35c |
| Distemperine liquid (tablets)—for dis- | |
| temper | 60c |
| Condition Pills with Pepsin..... | 60c |
| Vermifuge—liquid—for worms, all | |
| ages and breeds | 60c |

SPRATT'S FOODS FOR DOGS

Spratt's Meat Figrine Dog Cakes—For sixty years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. The best results are obtained by giving the biscuits dry, not soaked, thereby compelling the dog to gnaw the food and thus producing a copious flow of saliva which materially aids digestion. 1 lb. 20c.



Spratt's Fibo — A unique granulated food, containing a large percentage of Spratt's world-famous Meat Fibrine. It is very appetizing and highly recommended for shy and dainty feeders, as a change of diet or as a suitable food for any dog at any time. Can be given either dry or soaked. 1 lb. 20c.

Spratt's Ovals—The Pocket Dog Biscuit — A small Meat-Fibrine dog biscuit of superior quality. Appreciated by small, medium and large breeds. A few of these diminutive dog cakes can be carried in the pocket when on a ramble with the dog. 1 lb. 20c. Write for price.

CALIFORNIA DOG BISCUITS

For grown or large dogs feed California Meat-Bone Dog Biscuits once or twice a day. 1 lb. 20c.

CAL-O-RATION

The Wonder Meat Food

For Dogs, Cats or any Carnivorous Animal

CAL-O-RATION is a cooked, canned meat product, ready to feed, containing meats, cereals, vegetables and oils. It contains the necessary vitamins and the proper amount of calories necessary for the proper development of any species of dogs, cats or foxes. The amount to feed is regulated by the size of the animal.

1-lb. can 20c; 6 cans \$1.00.

VITAMONT DOG FOOD

A horse meat product. A wonderful balanced ration, ready to serve. For dogs, cats and foxes. 1-lb. can 15c, postage extra. Write for prices on case lots.



EVER-GREEN

A NON-POISONOUS SPRAY

Harmless to man or animals.

Harmless to tender plants.

Kills plant insects.

1 oz. 35c

6 ozs. \$1.00

Pt. \$2.00

Mailable. Postage extra.



Higher Prices For Your Crops

—THIS AMAZING NEW METHOD OF PLANT PROTECTION GETS YOU HIGHER PRICES FOR LARGER AND QUICKER CROPS.

Last year thousands of growers added to the value of their vine crops by using Germanco HOTKAPS—shown above. This remarkable invention consists of a scientifically constructed wax paper cone that you place over each plant. Thus they are miniature hothouses that protect plants from frost, wind, rain, insects and ground crusting.

HOTKAPS not only protect plants, but make them grow harder and faster. Thus you get a greater crop production to market earlier for higher prices!

You can add to your next year's profit with Hotkaps. They cost but a fraction over a penny each. One man can "set" 3,000 Hotkaps per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

Prices per roll (1,000 Hotkaps), \$11.00; (5,000 Hotkaps) \$10.50 per M. Write for interesting pamphlet or order today.

Shipping weight, 25 pounds per 1,000.

GERMACO

HOTKAPS



FOR HEALTH AND EGGS—POULTRY REGULATOR

supplies the minor necessities that build up vitality, promote sound digestion and put your fowls in robust condition for heavy egg laying and blue ribbon winning. Pratt's Poultry Regulator added to any mash makes more eggs.

Given to breeding stock it increases the fertility of the eggs, increases their hatchability and insures sturdy chicks. Pratt's Poultry Regulator is not a dope or stimulant, but an absolute necessity. In use for over 50 years and guaranteed to give satisfaction. 4-lb. pkgs. 65c; 12-lb. pkgs. \$1.75.



Powdered Lice Killer

A powerful, effective product that kills lice on chicks and chickens of all ages. Use it in nests, dust baths, incubators and brooders and dust it on the birds themselves. It is also used to rid horses, cattle, hogs, dogs and cats of lice and fleas. Rids houses of roaches. Can be used wherever an economical and powerful powdered lice killer is needed. Fully guaranteed. In 30c and 60c sifter top cans.

Roup Remedy

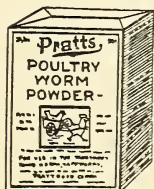
(Tablets or Powder)

Every poultry keeper should have a package of Pratt's Roup Remedy on hand. Roup acts quickly, but this remedy will prevent or quickly cure it.

Powerful, safe, economical, easy to use; it is quickly absorbed by the blood, reduces fever, allays inflammation. Use it beforehand as a preventive for roup, colds, catarrh and bad weather diseases. Put up in tablet form for individual or flock treatment and in powder form for use in large flocks. Small size 30c; large 60c.



Poultry Worm Powder



Rids poultry of round, tape and thread worms, is safe, sure, easy to use and costs only a little over one cent to treat a fowl. Price 60c.

Disinfectant

Use it regularly to spray the chicken house roosts, dropping boards and fixtures and your disease troubles will vanish.

It is three times as powerful as crude carbolic acid, yet it is cheap, safe, non-poisonous.

Pratt's Poultry Disinfectant is a deodorizer, germicide, and liquid lice killer. A gallon makes a barrel of powerful disinfecting solution. Use it to aid in relief of roup, colds and other contagious diseases. Qt. can 70c; 2-qt. can \$1.10.



White Diarrhea Tablets

Use these in your chicks' drinking water for the first ten days and you will be free from losses from white diarrhea. It prevents the germs developing and is cheap life insurance for chicks.

Easy to use and a few cents worth may save you many dollars worth of chicks. Used regularly by hundreds of the most successful poultry plants in America.

You can depend on Pratt's. It is guaranteed. 30c and 60c pkgs.



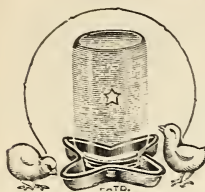
Use Pratt's Fly Chaser

America's standard fly repellent. It is cheap, easy to use, powerful, lasting, effective, won't gum the hair, taint the milk or blister the hide. Thousands and thousands of gallons are used with greatest satisfaction every year on modern farms and dairies and in stables, factories and out-buildings. 2 Qts. \$1.15.



IT IS GUARANTEED

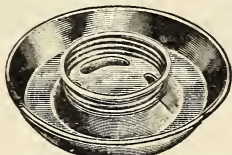
STAR CHICK FOUNT



Made of a single piece of heavy metal. No solder, no seams, no loose parts. Suitable for feed as well as water. Little chicks can't drown. Fits any Mason jar in 1 Pint, 1 Quart, and 2 Quart sizes.

No. 32. (Glass jar not included.)
Each10c

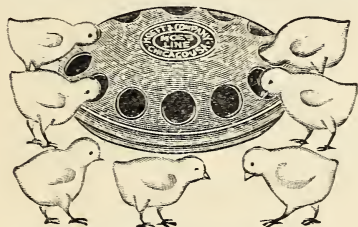
ROUND JAR FOUNTAINS



Moe's Round Mason Jar Fountains, made of heavy terne plate, a rust resisting metal, and the finest fountain of its kind on the market. No solder used in its construction.

Made in one size and fits any Mason jar in sizes 1 Pint, 1 Quart and 2 Quarts. (We do not furnish the glass jars.) Diameter 6 in. Each 10c; dozen \$1.20.

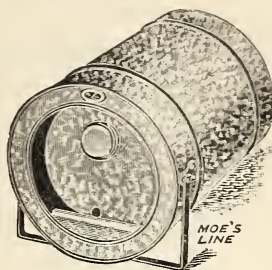
ROUND CHICK FEEDERS



A great feed saver, and can also be used for water or milk. Accurately stamped with dies. Top fits snugly, yet is easily taken off for filling and cleaning.

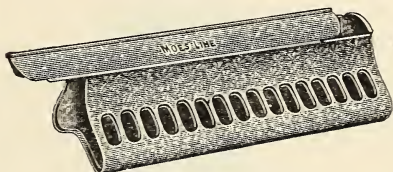
No. 11, Diam. 6 in. with 8 holes, each.....15c
No. 12, Diam. 8 in. with 12 holes25c

INSULATED WALL FOUNTAINS



Heavy galvanized iron, double walls packed with an efficient insulating material. Large filler opening so is easily kept clean and sanitary. Keeps the water warm in Winter and cool in Summer. Easy to fill, easy to clean and feeds the water automatically. No. 8, capacity 3 gallons, each\$5.25

LARGE CAPACITY FEEDERS



Fine Feeders for growing stock, ample capacity and great time and labor savers. Two sizes.

No. 140—Length 21 in., holds 10 qts.
32 feeder holes. Each\$1.40
No. 141—Length 35 in., holds 17 qts.
54 feeder holes. Each\$2.00

We Carry Pratt's and Lee's
Poultry Tonic and Supplies.
Write us your wants.

BRIGHT TIN BUTTERMILK FEEDERS

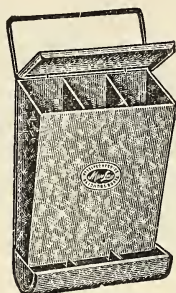


Feeding Troughs in Tin Plate. Sliding top. Easy to clean. No seams, rivets or solder. Clean, sanitary feeders.

No. 137—Length 10 in., 10 feeder holes; each 30c; dozen \$3.60.

No. 138—Length 20 in., 20 feeder holes; each 40c; dozen \$4.80.

GRIT BOXES

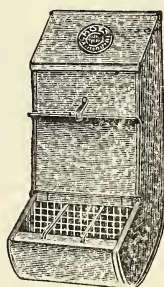


Economical and practical for feeding grit, shells, etc.

Thoroughly well made, no solder used in their construction.

No. 45, two-compartment, each.....45c
No. 9, three-compartment, each.....90c

DRY MASH HOPPERS



A strictly high quality hopper, properly designed. The curved bottom keeps the feed in easy reach, and the taper shape of the hopper prevents the feed from clogging. Height 19 inches.

No. 35, Width 8½ in., each.....\$1.50
No. 36, Width 12 in., each.....2.10
No. 13, Width 18 in., each.....2.40
No. 37, Width 24 in., each.....3.00

COLORED LEG BANDS



Best quality. Made of Celluloid in six sizes and ten colors — White, Black, Dark Blue, Light Blue, Red, Pink, Garnet, Green, Yellow and Purple.

12 Bands.....\$.15
25 Bands......30
50 Bands......50
100 Bands......75
500 Bands.....3.60
1000 Bands.....7.00

ALUMINUM LEG BANDS



No. 130 — Aluminum, with extra large raised numbers. Easy to read, adjustable for any size fowl. Applied quickly.

Pkg. of.....12 25 50 100 500 1000
Price15 .25 .45 .75 3.50 6.00

ALL STEEL GARDEN TOOLS

LAWN WEEDERS



No. 89 — All Steel Lawn Weeder. Has a slotted steel prong which holds the weed firmly and a slight pressure on the handle removes it completely with the root. Easy to use and does not mar the lawn.

Each30c

HAND WEEDERS



No. 87 — Hand Weeder, made of one piece of hard, stiff steel. Price, each.....20c

DANDELION WEEDERS



No. 88 — Dandelion Weeder, made of one piece of hard, stiff steel; 8-in. blade.

Price, each20c

GARDEN TROWELS



Garden Trowel. Made of a single piece of heavy galvanized steel. Each.....10c

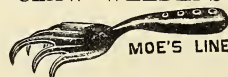
Made of heavy pressed steel all in one piece and practically indestructible.
Each20c

TRANSPLANTING TROWELS



Each20c

CLAW WEEDERS



Five-fingered weeder. Each.....20c



AUTO-SPRAY NO. 9D, GALV. TANK WITH AUTO-POP

Excellent for spraying trees, field crops, home gardens, shrubs, vines, berry bushes, in greenhouses, private estates, etc. for disinfecting stables and chicken houses.

Equipment is complete for spraying, including 2 feet of $\frac{1}{2}$ -inch 5-ply hose, solid stream and fine-spray nozzle with shut-off as selected.

Specifications: Capacity $3\frac{1}{2}$ gallons; height 23 inches; diameter 7 inches; weight (empty) 9 lbs.; weight (loaded) 26 lbs.; weight (shipping) $11\frac{1}{2}$ lbs. Each \$7.50

It Sprays Continuously



BROWN'S AUTO-SPRAY NO. 26

This efficient outfit is so designed that the down stroke generates sufficient pressure to produce a continuous mist-like spray. A decided advantage over intermittent sprayers. Container may be detached for refilling and cleaning by simply unscrewing from the pump cylinder. The ball valve may also be readily removed. Extra nozzle is supplied for spraying at an angle.

Can be used with all spraying solutions. Tank capacity, 1 quart. All brass. Each \$1.40

AUTO-SPRAY NO. 50

Lighter weight, smaller capacity.

This sturdy little machine is almost identical to Auto-spray No. 9 in construction and manipulation, but holds about $2\frac{1}{2}$ gallons. It is entirely suitable for spraying on a smaller scale. Construction and equipment same as No. 9D. It is particularly recommended for use where weight is a factor, as when women folks or youngsters help out with the spraying. Shipping weight 7 lbs. Each \$5.95

It's Double Acting

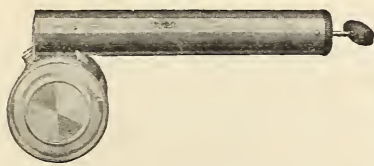


BROWN'S AUTO-SPRAY NO. 5

Auto-Spray No. 5 is generally acknowledged to be the most powerful pump of this type manufactured. Throws continuous sprays on both up and down strokes and requires about one-half the energy of other pumps of this type. This pump is equipped with a brass suction strainer as well as another strainer in the nozzle. Suction end containing strainer is weighted and will not work out of bucket.

Solid brass throughout. Nozzles of special design permit spraying of trees as high as apple trees as well as bushes and plants nearby. Has two ball valves that are readily accessible for cleaning. Each \$5.00

AUTO-SPRAY NO. 28 AND 22



Here is a well built atomizer made of heavy tin. Single acting and capable of throwing a fine misty spray. Pump is fitted with oil-treated, durable leather cup. No. 28, 35c; No. 22, 50c.

CYCLONE HAND SEEDER

The Cyclone Seeder will distribute the seed perfectly even and will not throw it in an upward direction or against the operator, but directly and evenly to the ground.

The machine is supplied with a patented interlock, double flange, non-solder tin distributing wheel and an automatic feed adjustment so that the seed can be let on or shut off instantly.

Price \$2.25, postage extra.

REFERENCE TABLES

Quantity of Seeds to produce a given number of plants and to sow an acre.

| | Quantity per Acre | Grass—Continued | Quantity per Acre | WEIGHTS OF VARIOUS ARTICLES | |
|---|-------------------|------------------------------------|-----------------------|---------------------------------------|---------|
| Artichoke, 1 oz. to 500 plants | 6 oz. | Timothy | 10 to 15 lbs. | Per Bushel | |
| Artichokes—White French | 8 bu. | Orchard, Perennial Rye | 1 to 2 bu. | Artichokes | 60 lbs. |
| Asparagus Roots | 7500 | Wood Meadow | 1 bu. | Barley | 48 lbs. |
| Barley | 2 to 2½ bu. | Horseradish Roots | 15,000 to 25,000 | Beans | 60 lbs. |
| Beans, dwarf, 1 lb. to 100 ft. of drill | 1 bu. | Kale, 1 oz. to 2,000 plants | 4 oz. | Buckwheat | 48 lbs. |
| Pole, 1 lb. to 100 hills | ½ bu. | Kaffir Corn, in drills | 6 to 10 lbs. | Blue Grass— | |
| Beet, Garden, 1 oz. to 100 ft. of drill | 6 to 7 lbs. | Kohl Rabi, 1 oz. to 2,000 plants | 4 oz. | Kentucky | 14 lbs. |
| Mangel, 1 oz. to 100 ft. of drill | 5 lbs. | Leek, 1 oz. to 100 ft. of drill | 4 lbs. | English | 24 lbs. |
| Broccoli, 1 oz. to 2,000 plants | 4 oz. | Lettuce, 1 oz. to 150 ft. of drill | 3 lbs. | Canary Seed | 60 lbs. |
| Brussel Sprouts, 1 oz. to 2,000 plants | 4 oz. | Mushroom Spawn | 1 brick to 10 sq. ft. | Cheat | 34 lbs. |
| Broom Corn in drills | 15 lbs. | Millet—for Seed | 20 lbs. | Clover Seed | 60 lbs. |
| Buckwheat | ½ to 1 bu. | For Hay | 20 lbs. | Corn, Shelled | 56 lbs. |
| Cabbage, 1 oz. to 2,000 plants | 8 oz. | Melon, Musk, 2 oz. to 100 hills | 2 to 3 lbs. | Charcoal | 22 lbs. |
| Carrott, ½ oz. to 100 ft. drill | 3 lbs. | Water, 4 oz. to 100 hills | 3 to 4 lbs. | Emmer | 40 lbs. |
| Cauliflower, 1 oz. to 2,000 plants | 3 to 4 oz. | Oats | 2 to 3 bu. | Flax Seed | 56 lbs. |
| Celery, 1 oz. to 5,000 plants | 4 oz. | Okra, 1 oz. to 100 ft. of drill | 8 lbs. | Grass Seeds (unless otherwise stated) | 14 lbs. |
| Cheat | 2 bu. | Onion Seed, for sets | 60 to 85 lbs. | Hemp Seed | 44 lbs. |
| Chicory | 4 bu. | 1 oz. to 150 ft. drill | 3 to 4 lbs. | Hungarian Millet | 48 lbs. |
| Clover, Alsike and White | 8 to 10 lbs. | Onion Sets, 1 qt. to 40 ft. drill | 8 bu. | Lawn Grass | 20 lbs. |
| Alfalfa | 15 to 20 lbs. | Parsnips, 1 oz. to 150 ft. drill | 3 lbs. | Meadow Fescue | 24 lbs. |
| Crimson Arefoil | 10 to 15 lbs. | Parsley, 1 oz. to 150 ft. drill | 3 lbs. | Millet | 50 lbs. |
| Collards, 1 oz. to 2,000 plants | 4 oz. | Peas, Field | 2 bu. | Oats | 32 lbs. |
| Corn, Pop (shelled) | 8 to 10 lbs. | Garden, 1 lb. to 100 ft. drill | 1 to 2 bu. | Onion Sets | 32 lbs. |
| Sweet or Field, hills | 12 to 15 lbs. | Pepper, 1 oz. to 1,000 plants | 2 lbs. | Orchard Grass | 14 lbs. |
| For soiling drills | 3 bu. | Potatoes | 10 bu. | Peach Pits | 48 lbs. |
| Cress ¾ oz. to 100 ft. drill | 1 lb. | Pumpkin, ½ lb. to 100 hills | 3 to 5 lbs. | Peas, Smooth | 60 lbs. |
| Cucumber, 1 oz. to 100 hills | 2 to 3 lbs. | Radish, 1 oz. to 100 ft. drill | 10 lbs. | Peas, Wrinkled | 50 lbs. |
| Egg Plant, 1 oz. to 2,000 plants | 4 oz. | Rape | 3 to 5 lbs. | Perennial Rye | 20 lbs. |
| Emmer | 100 lbs. | Rye | 1½ to 2 bu. | Potatoes | 60 lbs. |
| Endive, ¾ oz. to 100 ft. drill | 4 lbs. | Salsify, 1 oz. to 100 ft. drill | 6 to 8 lbs. | Rape | 60 lbs. |
| Flax, broadcast | ¾ bu. | Spinach, 1 oz. to 100 ft. drill | 8 to 10 lbs. | Rye | 56 lbs. |
| Grass— | | Sugar Cane, in drills | 10 lbs. | Red Top | 14 lbs. |
| Kentucky Blue, for pasture | 1 to 2 bu. | Sunflower | 8 lbs. | Red Top, Solid | |
| Kentucky Blue, for lawns | 100 lbs. | Squash, Summer, 4 oz. to 100 hills | 3 lbs. | Seed | 42 lbs. |
| Meadow Fescue | 1 bu. | Winter, 8 oz. to 100 hills | 4 lbs. | Timothy | 45 lbs. |
| Mixed Lawn | 5 to 6 bu. | Tomato, 1 oz. to 2,000 plants | 4 oz. | Vetches | 70 lbs. |
| Red Top, Chaff | 1 to 2 bu. | Tobacco, 1 oz. to 4,000 plants | 3 oz. | Wheat | 60 lbs. |
| Red Top, solid seed | 10 to 15 lbs. | Turnip, 1 oz. to 150 ft. drill | 2 to 3 lbs. | | |
| | | Vetches | 1½ to 2 bu. | | |
| | | With Grain | 1 bu. | | |
| | | Wheat | 1½ to 2 bu. | | |

SUGGESTIONS FOR YOUR FLOWER GARDEN

HARDY PERENNIALS

Alyssum—Yellow, Golden-Tuft; Canterbury Bells—(Campanula) mixed; Carnation—Dwarf Marguerite—Columbine—(Aquilegia) mixed; Coreopsis Lanceolata; Daisy—(Bellis) Double mixed; Daisy—Marguerite or Oxeley; Daisy—Shasta; Forget-Me-Not—(Myosotis) Blue; Foxglove—(Digitalis) mixed; Gaillardia, Grandiflora; Gypsophelia paniculata (Baby's Breath); Hollyhock; Larkspur—Perennial (Delphinium) mixed; Pinks—(Dianthus); Sweet Peas—Perennial mixed; Sweet William—Double; Violet—Sweet English; Wallflower.

FLOWERS SUCCEEDING IN PARTIAL SHADE

Butterfly Flower—(Schizanthus) mixed; Canterbury Bells—(Campanula) mixed; Columbine—(Aquilegia) mixed; Coreopsis Lanceolata; Forget-Me-Not—(Myosotis) Blue; Daisies; Feverfew—(Matricaria) Double White; Foxglove—(Digitalis) mixed; Larkspur—Perennial (Delphinium) mixed; Pansy; Snapdragon—(Antirrhinum) mixed; Violet—Sweet English.

FLOWERS SUITABLE FOR POTS

Ageratum Mexicanum—Blue; Ageratum Albiflorum—White; Asters—Queen of the Market; Asters—Florist Mixture of Extra Early; Butterfly Flower—(Schizanthus) mixed; Forget-Me-Not—(Myosotis) Blue; Geranium, mixed; Heliotrope; Ice Plant—(Mesembryanthemum); Lantana Hybrida; Mignonette; Nasturtium—Dwarf mixed; Petunia—Hybrida; Ten Weeks Stocks—Dwarf mixed.

CLIMBING VINES

Balloon Vine; Balsam Apple—(Momordica Balsamina); Canary Bird Flower; Cobea Scandens; Cypress Vine—Red and White mixed; Gourds—Ornamental; Hyacinth Bean—(Dolichos) mixed; Japanese Hop—(Humulus Japonicus); Moonflower; Morning Glory; Nasturtiums—Tall mixed; Sweet Peas; Sweet Peas—Perennial (Lathyrus Latifolius); Wild Cucumbers.

FLOWERS SUITABLE FOR HANGING BASKETS, VERANDA BOXES, ETC.

Nasturtium—Tall, mixed; Petunia—Hybrida; Smilax—Greenhouse Climber; Verbena.

FLOWERS SUITABLE FOR BORDERS AND EDGINGS

Balsam or Touch-Me-Not; Butterfly Flower (Schizanthus) mixed; California Poppy (Escholtzia) mixed; Calliopsis Atkinsonia—Yellow and Brown; Calliopsis Drummondii—Deep Yellow; Candytuft—White; Canterbury Bells—Campanula Medium, mixed; Chrysanthemum Annual—Double White; Coleus—Foliage Plant. Fine Mixture; Coreopsis Lanceolata; Lobelia—Deep Blue; Lobelia—Pure White; Mignonette—Sweet; Nasturtium—Dwarf; Pansy—American mixed; Petunia—Hybrida; Pinks—Double China; Phlox; Drummondii Grandiflora—Mixed; Portulaca—(Rose Moss) Double; Portulaca—(Rose Moss) Single; Slapigossis—Mixed; Sweet Alyssum (Alyssum Benthani) White; Sweet William—Double; Verbena; Vinea—Mixed.

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